

**pbcc**  
Palm Beach Community College

**Palm Beach  
Community College  
locations**

**BELLE GLADE**  
1977 College Drive  
Belle Glade, FL 33430-3699  
561-996-PBCC

**BOCA RATON**  
3000 Saint Lucie Avenue  
Boca Raton, FL 33431-6490  
561-367-4500

**LAKE WORTH**  
4200 Congress Avenue  
Lake Worth, FL 33461-4796  
561-967-PBCC

**PALM BEACH GARDENS**  
3160 PGA Boulevard  
Palm Beach Gardens, FL 33410-2893  
561-624-PBCC

**WEST PALM BEACH**  
Count and Countess de Hoernle  
Historic Building  
312 Fern Street  
West Palm Beach, FL 33405

[www.pbcc.cc.fl.us](http://www.pbcc.cc.fl.us)

**PALM BEACH COMMUNITY COLLEGE  
CATALOG  
2001 - 2002**

**pbcc**  
Palm Beach Community College

**Expect more.**

PALM BEACH COMMUNITY COLLEGE  
2001-2002 REGISTRATION CALENDAR

	FALL TERM	FALL 1st 8-WEEKS	FALL 12-WEEK EXPRESS	SPRING TERM	SPRING 1st 8-WEEKS	SPRING 12-WEEK	SPRING EXPRESS	SUMMER A	SUMMER B	SUMMER C 12-WEEK
	Session 1	Session 2	Session 3	Session 4	Session 1	Session 2	Session 3	Session 4	Session 1	Session 2
TERM DATES	AUG 23-DEC 18	AUG 23-OCT 18	SEPT 24-DEC 18	OCT 19-DEC 18	JAN 7-MAY 8	JAN 7-MAR 2	FEB 4-MAY 8	MAR 12-MAY 8	MAY 13-JUN 24	JUNE 26-AUG 7
EARLY REGISTRATION	JULY 9-AUG 22	JULY 9-OCT 21	JULY 9-OCT 18	NOV 14-JAN 4	NOV 14-JAN 4	NOV 14-FEB 1	NOV 14-MAR 11	APRIL 10-MAY 10	APRIL 10-JUN 25	APRIL 10-MAY 10
LATE REGISTRATION	AUG 23-24	AUG 23-24	SEPT 24-28	OCT 19-22	JAN 7-11	JAN 7-8	FEB 4-8	MAR 12-13	MAY 13-14	JUN 26-27 MAY 13-17
CLASSES BEGIN	AUG 23	AUG 23	SEPT 24	OCT 19	JAN 7	JAN 7	FEB 4	MAR 12	MAY 13	JUN 26 MAY 13
ADD/DROP	AUG 23-29	AUG 23-24	SEPT 24-28	OCT 19-22	JAN 7-11	JAN 7-8	FEB 4-8	MAR 12-13	MAY 13-14	JUN 26-27 MAY 13-17
LAST DAY TO DROP WITH FULL REFUND	AUG 29	AUG 24	SEPT 28	OCT 22	JAN 11	JAN 8	FEB 8	MAR 13	MAY 14	JUN 27 MAY 17
INTERNATIONAL ADMISSIONS APPLICATION DEADLINE (F-1 VISA'S)	JULY 20	JULY 20	JULY 20	JULY 20	NOV 19	NOV 19	NOV 19	NOV 19	APRIL 12	APRIL 12 APRIL 12
LAST REGISTRATION DEADLINE	SEPT 7	SEPT 7	SEPT 7	SEPT 7	JAN 18	JAN 18	JAN 18	JAN 18	MAY 3	MAY 3 MAY 3
LAST DAY TO MAKE UP "I" GRADES FROM PREVIOUS TERM	SEPT 21	SEPT 21	SEPT 21	SEPT 21	SEPT 20	SEPT 20				
GRADUATION APPLICATION DEADLINE	SEPT 20	SEPT 20	SEPT 20	SEPT 20	SEPT 21	SEPT 21				
LAST DAY TO WITHDRAW/AUDIT TERM END*	NOV 6	SEPT 28	NOV 15	NOV 28	MAR 28	FEB 12	APRIL 9	APRIL 18	JUNE 10	JULY 24 JULY 9
COMMENCEMENT	DEC 18	OCT 18	DEC 18	DEC 18	MAY 8	MAR 2	MAY 8	MAY 8	JUN 24	AUG 7 AUG 7
CLAST TEST DATE	OCT 6	OCT 6	OCT 6	OCT 6	REGISTER BY SEPT 7	REGISTER BY SEPT 7	REGISTER BY JAN 18	REGISTER BY JAN 18	FEB 16	JUNE 1 REGISTER BY MAY 3 JUNE 1 REGISTER BY MAY 3
STUDENT HOLIDAYS	SEPT 3	SEPT 3	OCT 23	OCT 23	NOV 22-23	NOV 22-23	JAN 21	JAN 21	MAR 4-8 MAR 20 MAR 29	MAY 27 JULY 4 MAY 27 JULY 4

\* CHECK WITH INSTRUCTOR FOR LAST MEETING DAY OF CLASS AND EXAMINATION SCHEDULE

Courses that are included in sessions other than those listed above will have different deadlines. Please see Student Services for dates.



## PALM BEACH COMMUNITY COLLEGE

2001—2002 CATALOG

Volume 63-1

Palm Beach Community College, a richly diverse comprehensive two-year institution with a history of achievement since 1933, is dedicated to serving the educational needs of the residents of Palm Beach County by providing the associate in arts, associate in science and associate in applied science degrees, professional certificates, workforce development and lifelong learning.

The mission of Palm Beach Community College is to provide an accessible and affordable education through a dedicated and knowledgeable faculty and staff, a responsive curriculum and a strong community partnership, which together will enable students to think critically, demonstrate leadership, develop ethical standards and compete effectively in the global workplace.

Palm Beach Community College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, GA 30033-4097; Telephone 404-679-4501) to award the associate in arts and associate in science degrees.

## About the PBCC Catalog

The Palm Beach Community College Catalog is an information and reference guide on College policies, facilities, degree and certificate programs, course offerings, services and personnel. Since the statements contained in the catalog are for informational purposes only, it should not be considered the basis of a contract between the institution and the student.

Generally, the provisions outlined in the catalog are applicable as stated, but PBCC reserves the right to initiate changes including but not limited to academic requirements for graduation without direct notification to individuals.

Mindful of its responsibility to students, the College is committed to making every possible effort to keep students informed of any changes. Though the College catalog is produced as a reference guide, each student is responsible for keeping apprised of current requirements for graduation for a particular degree program.

## PBCC Disability Support

Palm Beach Community College does not discriminate on the basis of disability in the admission or access to, or treatment of employment in, its programs or activities. The following persons have been designated to coordinate compliance with the non-discrimination requirements of the Americans with Disabilities Act and with Section 504 of the Rehabilitation Act of 1973:

### **Disability Support Services/Access**

Susan Lang, (561) 439-8382

### **Employment Access**

Ardease Johnson, (561) 439-8017

### **Facilities Access**

John Wasukanis, (561) 439-8198

*This publication can be made available in alternate formats to persons with disabilities. Please make requests well in advance of need to:*

Susan Lang  
Palm Beach Community College  
Disability Support Services, MS #55  
4200 Congress Avenue  
Lake Worth, FL 33461-4796  
Telephone: (561) 439-8382 (V/TTY)

### Preceding page photos:

*Pat Johnson, one of the Teachers of Excellence for 2001, assists students in microbiology lab.*

*The background image is the Count and Countess de Hoernle Historic Building, the original home of Palm Beach Community College.*

## Table of Contents

<b>GENERAL INFORMATION</b>	<b>ACADEMIC POLICIES</b>
History .....	Academic Progress .....
Philosophy .....	Academic Recognition .....
Mission .....	Attendance .....
Accreditation .....	Audit and Withdrawal Policies .....
Memberships .....	College Level Academic Skills Test (CLAST) .....
Palm Beach Community College Foundation .....	College Preparatory Course Requirements .....
Palm Beach Community College District .....	Freshmen and Sophomore Classification .....
Where to Call for Assistance .....	Full-Time Student .....
Maps .....	Grades .....
	Graduation .....
	Policy Changes .....
	Prerequisites .....
	Religious Observances Policy .....
	Security of Student Records .....
	Student Conduct .....
	Student Maximum Course Load .....
	Unpaid Accounts .....
<b>ADMISSIONS</b>	<b>AREAS OF STUDY</b>
Admission Criteria .....	Program Listing .....
Admission Policies .....	General Education Requirements .....
Admission Procedures .....	Associate in Arts .....
Credit for Prior Learning .....	Associate in Science .....
Placement Testing .....	Associate in Applied Science .....
Residence Classification .....	Certificate and Diploma Programs .....
Students with Disabilities Substitution .....	Apprenticeship Programs .....
Transfer Credit .....	
<b>FINANCIAL INFORMATION</b>	<b>COURSE DESCRIPTIONS</b>
Financial Aid .....	Florida's Statewide Course Numbering System .....
Fees and Payment .....	Introduction to Course Descriptions .....
Class Tuition and Fees .....	
Parking .....	<b>DIRECTORY</b>
Refunds .....	District Board of Trustees .....
Tax Credits .....	President .....
	President's Staff .....
	Deans and Registrar .....
	Faculty .....
<b>STUDENT SERVICES/STUDENT LIFE</b>	<b>INDEX</b>
Academic Advisement .....	
Career Planning & Job Placement .....	
Disability Support Services .....	<b>STUDENT HOUSING</b>
Health Services and Information .....	
Insurance .....	<b>APPLICATION FORMS</b>
Lost and Found .....	
Student Handbook .....	
Student Publication .....	
Student Retention & Completion .....	
Testing Services .....	
Student Life .....	
<b>ACADEMIC SUPPORT AND OPPORTUNITIES</b>	
Career and Technical Education (CTE) .....	
Center For Personalized Instruction .....	
Cooperative Education .....	
Distance Learning .....	
English as a Second Language .....	
Honors .....	
International Field Trip Study and Summer School .....	
Library Learning Resource Center (LLRC) .....	
Young People's Programs .....	



## GENERAL INFORMATION

### History

Palm Beach Junior College became Florida's first public community college in 1933. The College initially was housed adjacent to Palm Beach High School and was governed by the Palm Beach County Board of Public Instruction until 1969. Today, this original site has been restored with offices and classrooms to serve students in downtown West Palm Beach.

In 1948, under the direction of its first president, Dr. John I. Leonard, the College moved to Morrison Field, now Palm Beach International Airport; it was relocated in 1951 to the Lake Park Town Hall. Finally, in 1956, the Palm Beach County Commission donated a 114-acre site in Lake Worth, and construction began on the College's first permanent campus. Dr. Harold C. Manor assumed the presidency in 1956. Under his direction, the College experienced extraordinary growth in enrollment, staff, course offerings and services, including the addition of many technical and vocational programs. In 1965, Roosevelt Junior College, headed by Britton G. Sayles, merged with PBJC.

By the early 1970s, satellite centers were established in Belle Glade, Boca Raton and Palm Beach Gardens. Between 1974 and 1989, these centers developed, featuring permanent buildings, expanding student populations and complete academic programs. Much of the growth during this time was the result of efforts by Dr. Edward M. Eissey, who was named the College's third president in 1978. He presided over the College's building boom, especially at the Belle Glade, Boca Raton and Palm Beach Gardens locations. In 1988, the College changed its name to Palm Beach Community College to more accurately reflect its comprehensive mission and the expansion of its programs and services. Following Dr. Eissey's retirement in 1996, PBCC Vice President of Administration and Business Affairs Dr. G. Tony Tate, who had served the College for over 39 years, assumed the presidency on an interim basis. Dr. Dennis P. Gallon was named the College's fourth president in 1997.

Under Dr. Gallon's leadership, the College has continued the expansion of its comprehensive mission by adding an array of workforce training programs to meet the changing needs of business and industry. Other areas of focus include designing and implementing a contemporary technology infrastructure to improve the quality of instruction and college operations, expanding distance-learning opportunities through television and the Internet, and creating partnerships with education, business and other institutions and agencies in the community.

### Philosophy

Palm Beach Community College, a richly diverse comprehensive two-year institution with a history of achievement since 1933, is dedicated to serving the educational needs of the residents of Palm Beach County by providing the associate in arts, associate in science and associate in applied science degrees, professional certificates, workforce development and lifelong learning.

### Mission

The mission of Palm Beach Community College is to provide an accessible and affordable education through a dedicated and knowledgeable faculty and staff, a responsive curriculum and a strong community partnership, which together will enable students to think critically, demonstrate leadership, develop ethical standards and compete effectively in the global workplace.

### Accreditation

Palm Beach Community College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone 404-679-4501) to award the associate in arts and associate in science degrees. Accreditation also has been granted by professional organizations for certain specific programs. This is noted in this catalog on pages where the program is outlined. The absence of such a notation indicates that professional accreditation has neither been sought nor granted.

### Memberships

The College is an active member of the American Association of Community Colleges and the Florida Association of Community Colleges, as well as other professional organizations.

## Palm Beach Community College Foundation

The Palm Beach Community College Foundation was established in 1973 to encourage, solicit, receive and administer gifts and bequests of property for scientific, educational, developmental and charitable purposes, all for the advancement of Palm Beach Community College and its objectives. All funds and property are subject to the limitations and conditions under which they are received; therefore, funds are restricted for specific uses. The Foundation works in conjunction with departments within the College and with various individuals and agencies within the community and the state. The Foundation provides funding for endowed faculty chairs and raises scholarship funds. Applications for scholarships are available at all locations.

## Palm Beach Community College District

### LOCATIONS

Courses are offered at PBCC locations in Belle Glade, Boca Raton, Lake Worth and Palm Beach Gardens and through satellite centers at Royal Palm Beach, Wellington Community High School and the Count and Countess de Hoernle Historic Building in West Palm Beach. Each location offers general education courses; however, certain programs may not be available at all locations.

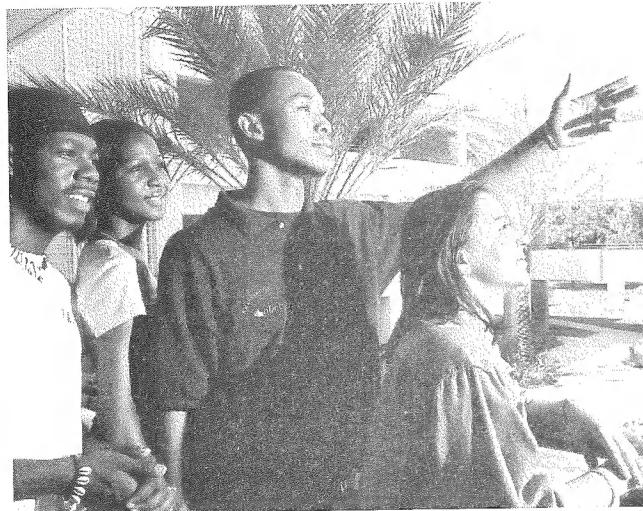
### BELLE GLADE

Nestled on the banks of a small lake, PBCC in Belle Glade opened in 1972. The permanent facility was built in 1977 and occupied in January 1978. The Belle Glade location offers comprehensive courses for college transfer to four-year institutions as well as vocational, technical and continuing education courses. The 470-seat Dolly Hand Cultural Arts Center at Belle Glade was completed in 1982, and the lobby was expanded in 1996. The theater offers a variety of cultural and entertainment performances and is available for rental by individuals and organizations.

### BOCA RATON

Since 1971, Palm Beach Community College has been serving the greater south Palm Beach County area from its campus in Boca Raton, conveniently located adjacent to Florida Atlantic University.

*continued*



*Student ambassadors give campus tours to introduce prospective students to college life.*

Many students take advantage of the unique partnership between the two institutions to earn a baccalaureate degree at one location. PBCC's Boca Raton campus provides its students with state-of-the-art classrooms and laboratory facilities and full-use privileges at the FAU library. PBCC in Boca Raton offers classes for those seeking a college degree as well as those interested in job training, upgrading of skills and personal enrichment workshops.

#### LAKE WORTH

The Lake Worth campus, located on Congress Avenue, is PBCC's largest and longest-established campus. Bordered by Lake Osborne and John Prince Park, this campus has accommodated the educational needs of the community for over 40 years. The 114-acre campus houses an extensive selection of programs for those planning to transfer to universities or enter or advance in the workforce. Among the many programs available at the Lake Worth campus, nursing, paramedic, dental health, hospitality/food service, early childhood, criminal justice, plumbing and electrical apprenticeship, drafting, interior design, graphic design and real estate programs have attracted many students from the community as well as the nation. The spacious Watson B. Duncan III Theatre serves as the campus' performing arts instructional facility and hosts a variety of cultural and entertainment events for the public. Count de Hoernle Student Village, a student apartment housing community that can accommodate over 600 individuals, is available to students interested in walking or biking to and from the Lake Worth campus.

#### PALM BEACH GARDENS

The Palm Beach Gardens campus opened in 1982 as a permanent, full-time facility offering associate in arts and associate in science degrees and certificate programs. The A.S. degree, for those planning to enter the workforce, is available in computer information systems technology; film, television and video production; legal assisting; environmental horticulture; respiratory care; business; and programs in medical imaging. A 750-seat Edward M. Eissey Theatre presents educational and cultural programs and serves as a training center for the campus theatre program. The campus has a Career Resource Center, a Center for Personalized Instruction, state-of-the-art computer classrooms and laboratories, a 250-seat Alfred W. Meldon Lecture Hall and an art gallery. The Center for Early Learning, a state-of-the-art child care center serving children of PBCC students, employees and the public, opened in 2001.

#### WHERE TO CALL FOR ASSISTANCE

##### Admissions

Belle Glade	.....	(561) 996-3055
Boca Raton	.....	(561) 367-4580
Lake Worth	.....	(561) 439-8103/8342
Palm Beach Gardens	.....	(561) 625-2400
International Admissions	.....	(561) 434-5099

##### Advisement/Counseling

Belle Glade	.....	(561) 992-6172
Boca Raton	.....	(561) 367-4508
Lake Worth	.....	(561) 439-8174
Palm Beach Gardens	.....	(561) 625-2463

##### Athletics

Lake Worth—College Teams	.....	(561) 439-8067
Boca Raton—Women's Volleyball	.....	(561) 367-4613
Belle Glade—Intramurals	.....	(561) 992-6182
Boca Raton—FAU Recreation	.....	(561) 297-3795
Lake Worth—Softball	.....	(561) 439-8069
Palm Beach Gardens	.....	(561) 625-2437

##### Books and Classroom Supplies

Belle Glade	.....	(561) 992-5007
Boca Raton	.....	(561) 347-0480
Lake Worth	.....	(561) 434-3600
Palm Beach Gardens	.....	(561) 775-0083

##### Career Information / Guidance

Belle Glade	.....	(561) 992-6172
Boca Raton	.....	(561) 367-4629
Lake Worth	.....	(561) 439-8056
Palm Beach Gardens	.....	(561) 625-2560

##### Career and Technical Education

Belle Glade	.....	(561) 992-6180
Boca Raton	.....	(561) 367-4550
Lake Worth	.....	(561) 439-8006
Palm Beach Gardens	.....	(561) 625-2535

##### Cashier (Bills, Payments or Adjustments)

Belle Glade	.....	(561) 992-6151
Boca Raton	.....	(561) 367-4505
Lake Worth	.....	(561) 439-8020
Palm Beach Gardens	.....	(561) 625-2504

##### Deans of Academic Affairs

Belle Glade	.....	(561) 992-6162
Boca Raton	.....	(561) 367-4565
Lake Worth	.....	(561) 439-8164
Palm Beach Gardens	.....	(561) 625-2587

##### Dean of Career and Technical Education

College	.....	(561) 439-8085
---------	-------	----------------

##### Dean of Enrollment Management

College	.....	(561) 357-1370
---------	-------	----------------

##### Deans of Student Services

Belle Glade	.....	(561) 992-6162
Boca Raton	.....	(561) 367-4514
Lake Worth	.....	(561) 439-8378
Palm Beach Gardens	.....	(561) 625-2416

#### Disability Services

Belle Glade	.....	(561) 992-6162
Boca Raton	.....	(561) 367-4582
Lake Worth	.....	(561) 439-8054
Palm Beach Gardens	.....	(561) 625-2428

#### Dual Enrollment

Belle Glade	.....	(561) 992-6182
Boca Raton	.....	(561) 367-4511
Lake Worth	.....	(561) 439-8174
Palm Beach Gardens	.....	(561) 625-2402

#### Facility Reservations

Belle Glade	.....	(561) 992-6167
Boca Raton	.....	(561) 367-4519
Lake Worth	.....	(561) 357-1382
Palm Beach Gardens	.....	(561) 625-2545

#### Financial Aid

Belle Glade	.....	(561) 992-6182
Boca Raton	.....	(561) 367-4512
Lake Worth	.....	(561) 439-8174
Palm Beach Gardens	.....	(561) 625-2537

#### Gifts and Donations

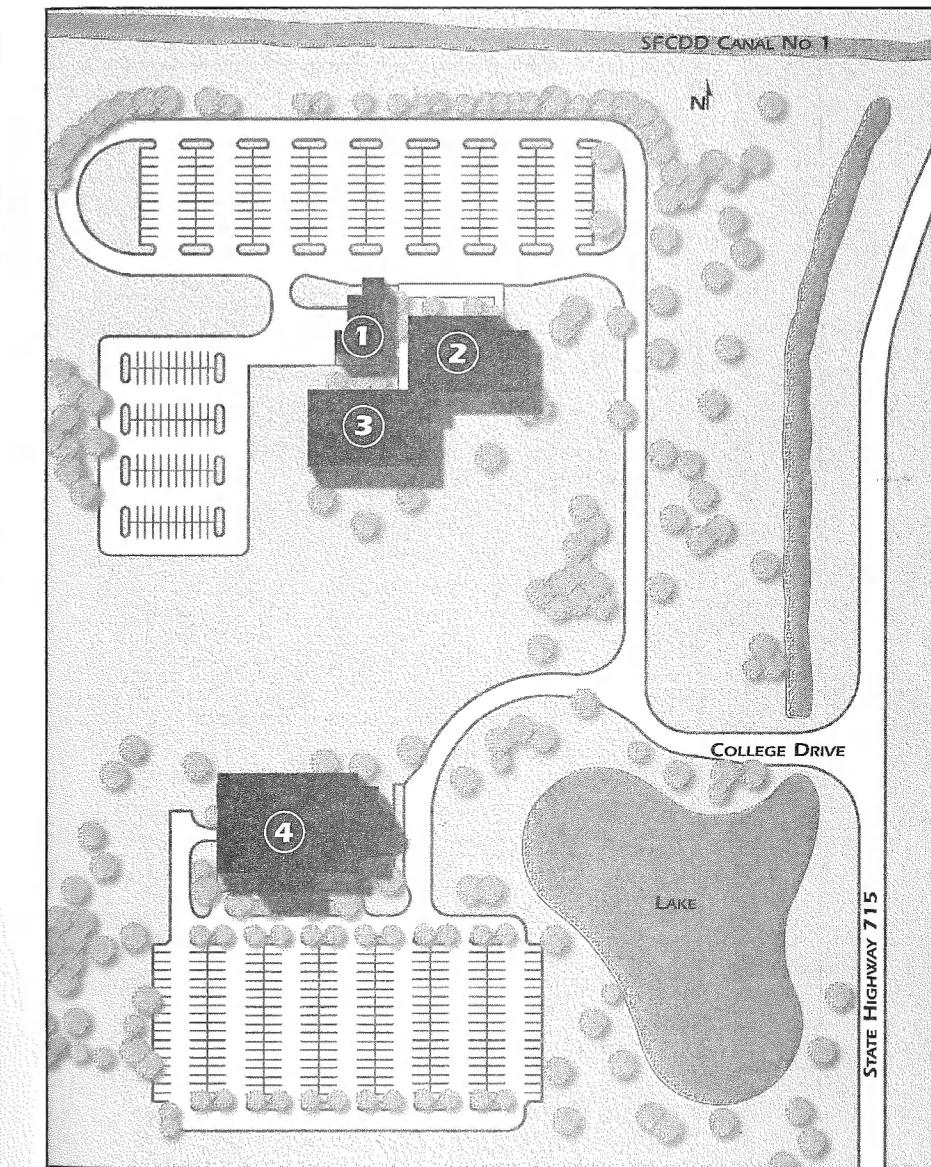
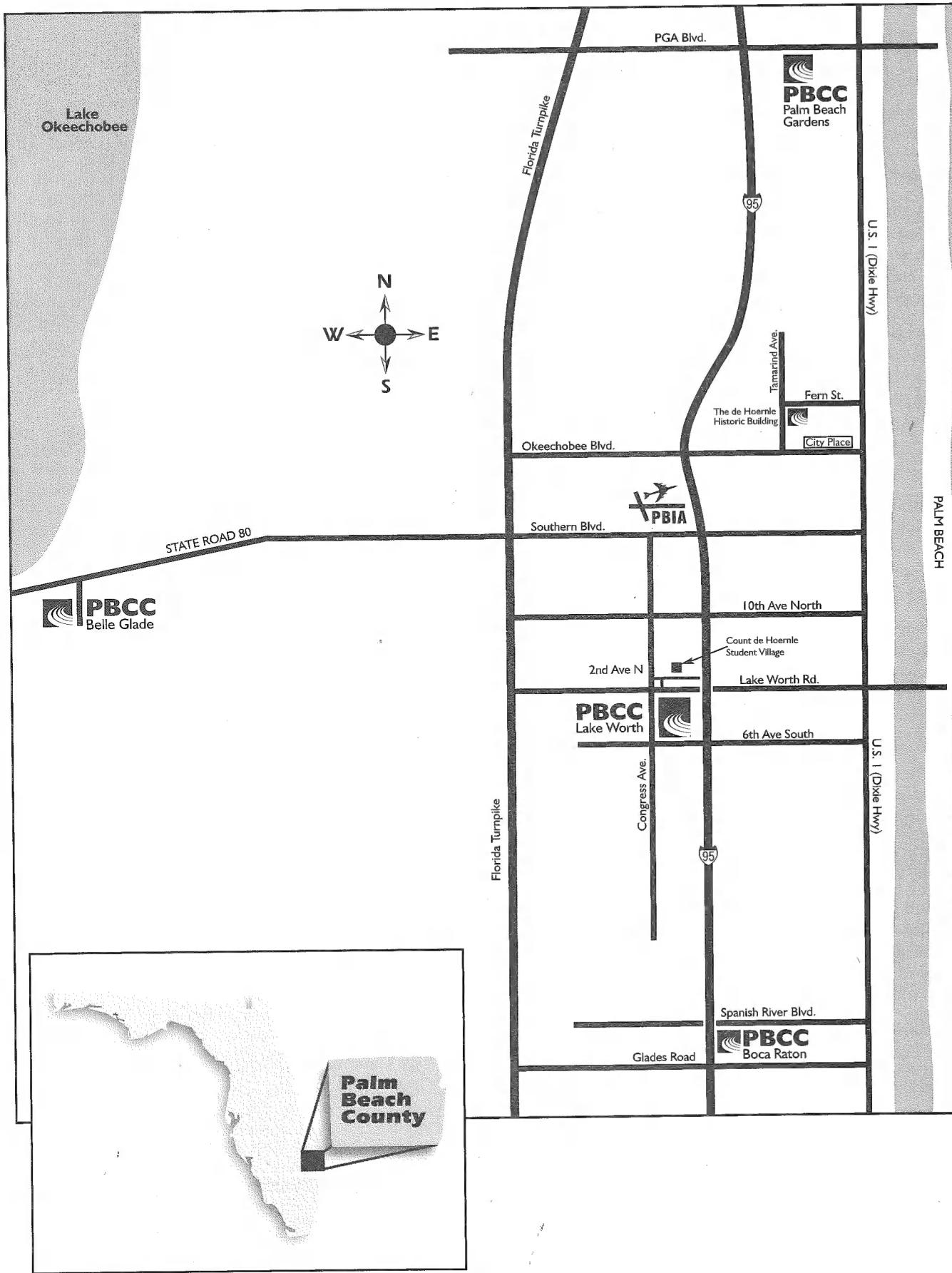
Foundation	.....	(561) 655-0478
------------	-------	----------------

#### Graduation Applications

Belle Glade	.....	(561) 996-3055
Boca Raton	.....	(561) 367-4508
Lake Worth	.....	(561) 439-8058
Palm Beach Gardens	.....	(561) 625-2463

#### Grievances and Appeals

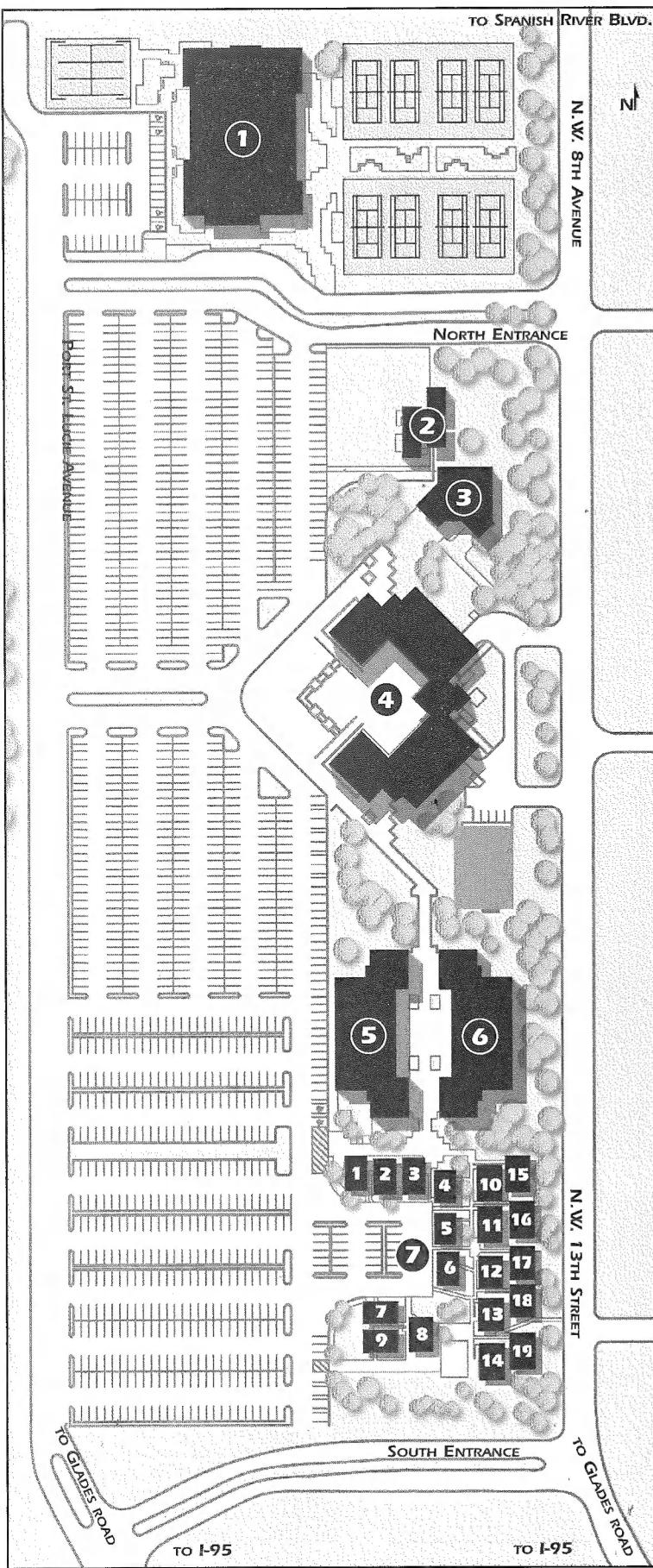
Belle Glade	.....	(561) 992-6162
Boca Raton	.....	(561) 367-4515
Lake Worth</td		

**DIRECTIONS**

**From I-95:**  
Proceed west on Southern Blvd. (State Road 80) approximately 40 miles until you reach Belle Glade. At the first traffic light continue straight ahead. Turn left onto Highway 715 and continue through the business area. PBCC is on the right.

**From the Florida Turnpike:**  
Exit at Okeechobee Blvd. go west to State Road 7. Proceed south on State Road 7 and turn west on Southern Blvd. (State Road 80). 40 miles until you reach Belle Glade. At the first traffic light continue straight ahead. Turn left onto Highway 715 and continue through the business area. PBCC is on the right.

561-393-PBCC



3000 SAINT LUCIE AVENUE, BOCA RATON, FL 33431-6490

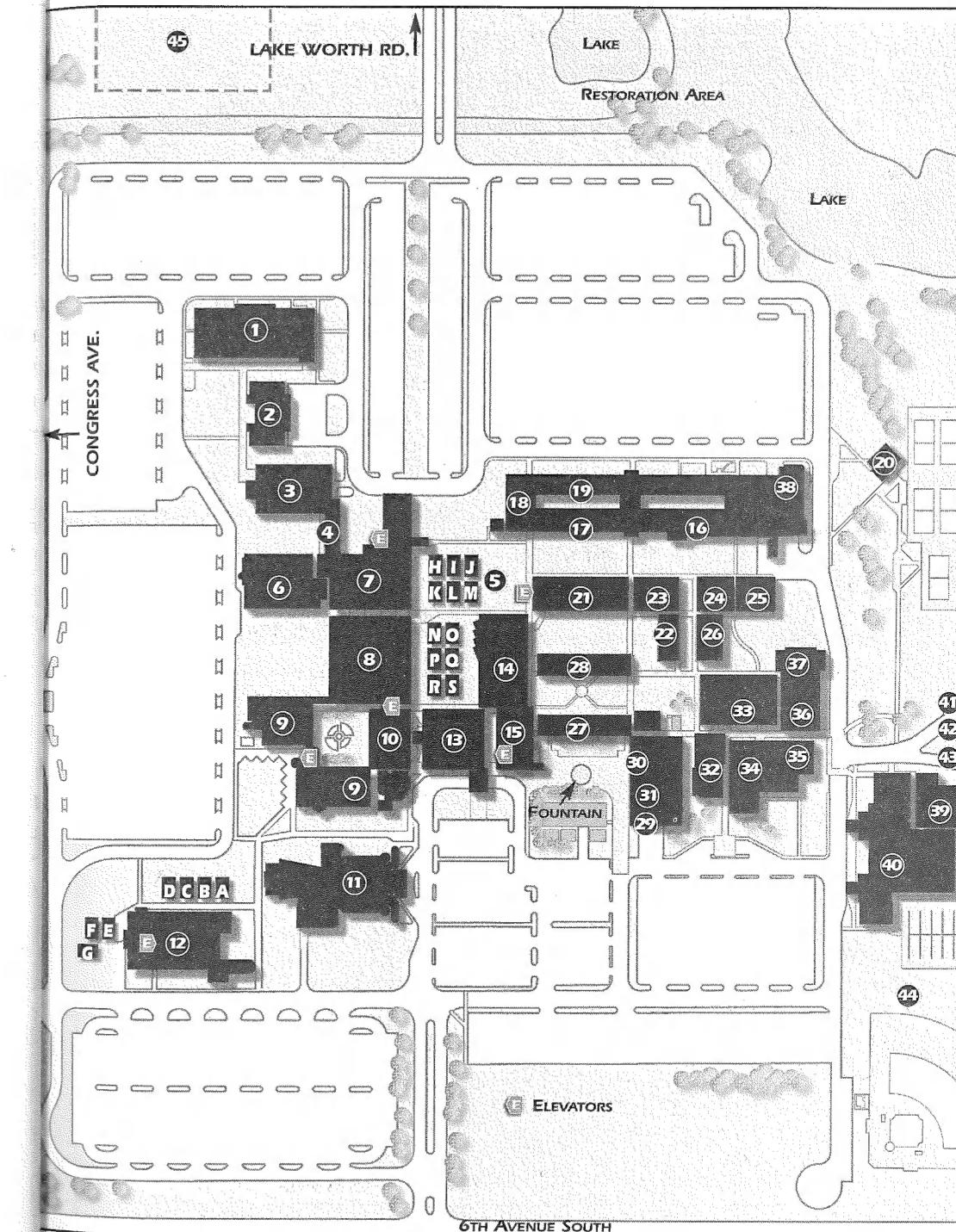
- 1** Sports Complex  
Tennis Courts and Racquetball
- 2** Facilities Department
- 3** Bookstore
- 4** Administration
  - 1st Floor  
Admissions/Registration  
Registrar  
Counseling  
Financial Aid  
Service Center  
Cafeteria (Computer Cafe)  
Cashier  
Career Center  
Student Organizations
  - 3rd Floor  
Computer Resources  
Career and Technical Education
  - 4th Floor  
Dean of Student Services  
Provost  
Dean of Academic Affairs  
District Office of Instruction and Academic Programs
- 5** CB - Classroom Building B
  - 1st Floor  
Art Studios  
Science Labs
  - 2nd Floor  
Faculty Workroom  
Center For Personalized Instruction (CPI)  
Computer Classrooms  
Media
- 6** CA - Classroom Building A
- 7** Modular Village  
Classrooms in MOD 1 - MOD 19  
MOD 3 - Testing Center

**DIRECTIONS**

From I-95:  
Proceed east on Glades Road on to NW 13th Street, turn left (north) and enter the FAU Campus. Go approximately 1.5 miles through three stop signs. After the third stop sign (Lee Street), the south entrance to PBCC is on the left.

From Spanish River Boulevard:  
Go south on NW 8th Avenue. The north entrance to PBCC is on the right.

4200 CONGRESS AVENUE, LAKE WORTH, FL 33461-4796



- DH** - Dental Health
- TL** - Technical Laboratory
- TE** - Technical Education
  - LLRC/LC** - Library  
HAROLD C. MANOR
- HO** - Health Occupations
  - Modules**

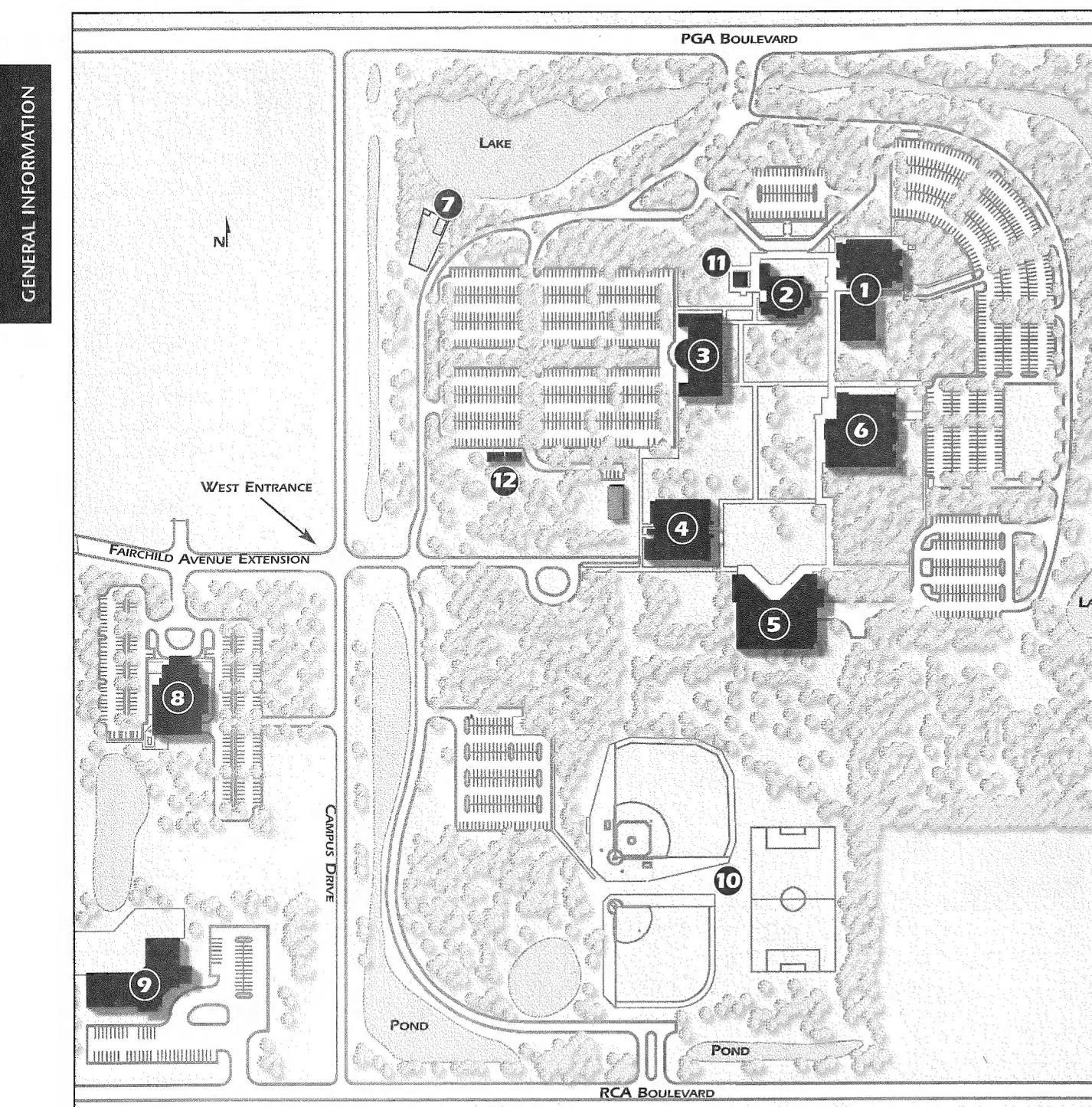
H MD11	L MD09	P MD17
I MD12	M MD08	Q MD16
J MD13	N MD15	R MD19
K MD10	O MD14	S MD18
- AH** - Allied Health  
PHILIP O. LICHTBLAU
- BA** - Business Administration
- LLRC/LC** - Library  
HAROLD C. MANOR
- TC** - Technology Center
  - COUNT AND COUNTESS DE HOERNLE  
Reading, Math, Multi-media, Computer, Academic Support Lab, CAD/Drafting Lab
- IT** - Information Technology
- AU** - Theatre  
WATSON B. DUNCAN III & STAGE WEST
- HU** - Humanities
  - A** MD01    **E** MD05  
**B** MD02    **F** MD06  
**C** MD03    **G** MD07  
**D** MD04
- District Offices**
  - G**. TONY TATE  
Human Resources  
College Relations and Marketing  
Office of the President  
Vice Presidents Offices
- ED** - Educational Training Center  
FUTURE SITE

561-967-PBCC

561-624-PBCC

**PBCC AT PALM BEACH GARDENS**

3160 PGA Blvd, Palm Beach Gardens, FL 33410-2893



**1** AA Classroom Building  
Faculty Offices  
Campus Service Center

**2** Administration  
1st Floor:  
Student Services  
Admissions  
Registration  
Financial Aid  
Cashier  
Security  
2nd Floor:  
Provost  
Academic Dean  
Associate Dean  
Early Learning Services

**3** BB Classroom Building  
Meldon Lecture Hall  
Art Gallery  
Art Lab  
CPI - Math Lab  
Career & Technical Education

**4** Phillip D. Lewis Center  
Radiography  
Respiratory Care  
EMT  
Computer Science

**5** Burt Reynolds Student Center  
Advisement  
Career Resources  
Disabled Students  
Student Activities  
Bookstore  
Cafeteria

**6** LLRC Building  
Library  
Law Library  
Media Services  
Science Lab  
Film Technology  
CPI-English/Reading Lab

**7** Greenhouse

**8** Eissey Campus Theatre

**9** Center for Early Learning

**10** Sports Fields  
Baseball, Softball,  
Soccer

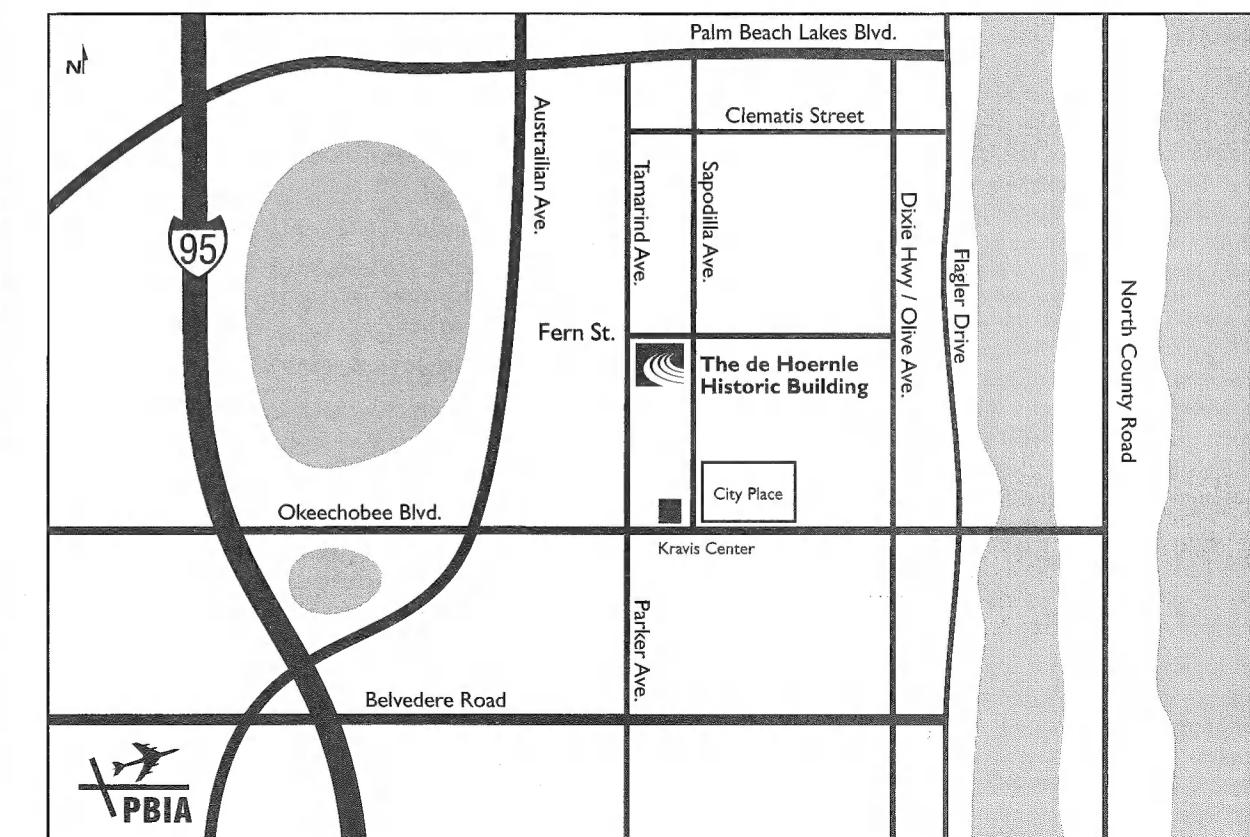
**11** Security

**12** Facilities

**PBCC AT WEST PALM BEACH**

312 FERN STREET, WEST PALM BEACH, FL 33405

561-967-PBCC



### COUNT AND COUNTESS DE HOERNLE HISTORIC BUILDING

Classrooms

Palm Beach Community College Foundation Offices

Named after Count Adolph and Countess Henrietta de Hoernle, the de Hoernle Historic Building has been renovated for use as an educational center.

Located in downtown West Palm Beach at the site of the old Twin Lakes High School, the 1927 building was the original home of Palm Beach Community College.

The Mediterranean Revival-style building is listed on the National Register of Historic Places.

**DIRECTIONS**

From I-95:  
Proceed east on Okeechobee Blvd. until you reach Tamarind Ave. At the traffic light turn left (north) and proceed past the Kravis Center and the School of the Arts. Turn right on Fern Street, PBCC is on the right.



## ADMISSIONS

### Admission Criteria

Students seeking admission to take credit courses must have a standard high school diploma from an approved high school, high school equivalency diploma (GED), or be approved for Early Admission/High School Dual Enrollment in order to be accepted at Palm Beach Community College. Some Post Secondary Adult Vocational (PSAV) programs may not require high school graduation. Refer to program information in this catalog.

Applicants from states other than Florida who are graduates of out-of-state schools, regionally accredited high schools, colleges or universities will be considered in accordance with current state statute. In accordance with Florida Statutes 232.246 and 232.02, home school education graduates may be considered for admission. Contact the Admissions Office for the necessary documentation. International student admission information is located in this section

### Admission Policies

#### CONDITIONS FOR ADMISSION

At the point of application, students applying to take credit or post secondary adult vocational (PSAV) courses will receive a Conditions for Admission Form that outlines any outstanding requirements needed to complete the admission process. All degree-seeking students are required to have transcripts sent to PBCC within one term or they may not register for subsequent terms. All international student transcripts and commercial evaluations, if applicable, must be received before their first term of enrollment will be permitted.

There are additional admissions requirements for some programs (see program information), high school dual enrollment and early admission (see this section), and international students (see this section under Admissions Procedures).

#### NON-DISCRIMINATORY POLICY

Palm Beach Community College does not discriminate on the basis of race, color, creed, ethnicity, national origin, gender, age, sexual orientation, marital or disability status in any of its educational programs or other programs and practices.

However, the College reserves the right to deny admission to applicants who fail to meet established standards of scholarship or deportment. Decision on admission rests with the Registrar's Office. Applicants who are initially denied admission may appeal to the Admissions Appeals Committee, chaired by the vice president of student services.

In accordance with Florida statutes, no student will be admitted to Palm Beach Community College for a period of two years following expulsion from a college or university for unlawful possession, sale or use of narcotic drugs or for campus disruption.

The College district equity officer is located in the Office of Human Resources, 4200 Congress Avenue, Lake Worth, Florida 33461-4796, phone number (561) 439-8017. The equity officer's responsibilities include all areas of discrimination or alleged discrimination of protected classes.

#### RELEASE OF TRANSCRIPTS

Upon admission, the student authorizes the College to release transcripts to governmental and educational agencies as appropriate. For additional information regarding the release of student records, refer to the Academic Policies section of this catalog.

Students may view their transcripts from other institutions but may not obtain a copy of the record, except by writing to request a copy from the institution from which the transcript originated. Transcript requests must be made either in person or in writing. Telephone requests will not be honored.

#### RELIGIOUS OBSERVANCES POLICY

The College shall make reasonable accommodations in admission, class attendance, scheduling of examinations, and work assignments in regard to religious observances, practices and beliefs of individual students, as required by Florida law.

Students are required to make arrangements in writing with instructors and appropriate College personnel at least one week prior to an anticipated religious observance for holidays not recognized on the academic calendar and which come within the accommodation requirement. Students who are denied accommodation may appeal in writing, following the guidelines included in the student handbook.

#### SPECIALIZED AND LIMITED ACCESS PROGRAMS

All students must complete the steps listed under Admission Procedures. Additional requirements and deadlines for certain specialized programs are listed in the Programs of Study section of this catalog. Requirements must be completed before admission to the program.

#### EARLY ADMISSION FROM HIGH SCHOOL

High school seniors meeting all the minimum requirements for high school college credit dual enrollment (as listed in this chapter) may, upon written recommendation of their high school principal, enroll full time at Palm Beach Community College. Appeals of these requirements may be considered. Interested students should contact their high school principal.

Tuition-free credits earned during the early admission period must be used to satisfy graduation requirements from high school, with the high school principal determining how these credits are to be utilized. Continued participation in the early admission program requires a College grade point average (GPA) of 2.0 or higher. Grades earned will become part of students' permanent high school and college transcripts.

Early admission students may be awarded a high school diploma with their regular class or as determined by the high school principal, provided that the students have completed two college semesters, or equivalent, with a normal class load and have maintained a college GPA of 2.0 or higher.

#### Important Notes

- Students taking early admission courses are subject to the rules and regulations of PBCC, as stated in this catalog and the student handbook.

- At an institution of higher education, students are exposed to a learning environment that promotes an open exchange of ideas. Course content is presented on an adult level, and class discussions require a mature understanding of divergent viewpoints and the ability to think critically on controversial issues.

- Early admission students who receive a failing grade may have difficulty in meeting future admissions requirements at the colleges and universities after high school graduation, including financial aid and scholarship opportunities.

#### HIGH SCHOOL DUAL ENROLLMENT

Dual enrollment is an opportunity for students presently attending an accredited Palm Beach County public or private high school, or a home school education program, to enroll tuition free concurrently in courses offered by Palm Beach Community College.

Students who participate in the dual enrollment program can receive college credits towards a degree or vocational certificate program. Credits earned must be applied toward high school graduation. Grades earned will become part of students' permanent high school and college transcripts. Dual enrolled students are essentially high school students, and it is the responsibility of the student and high school to ensure that requirements for graduation from high school are met.

There are two types of programs in which eligible high school students may participate:

- College Credit Dual Enrollment Program
- Post Secondary Adult Vocational Certificate Program (PSAV)

Students should contact their high school guidance counselor for more information.

#### Important Notes

- Students taking dual enrollment courses are subject to the rules and regulations of PBCC, as stated in this catalog and the student handbook.
- At an institution of higher education, students are exposed to a learning environment that promotes an open exchange of ideas. Course content is presented on an adult level, and class discussions require a mature understanding of divergent viewpoints and the ability to think critically on controversial issues.
- Dual enrollment students who receive a failing grade may have difficulty in meeting future admissions requirements at the colleges and universities after high school graduation, including financial aid and scholarship opportunities.

#### These are the student responsibilities to participate in dual enrollment:

- Transportation to and from the College
- PBCC parking decal
- Uniforms (if applicable in a PSAV program)
- Freedom from any outstanding obligations to the high school prior to registering

#### Minimum Requirements

All qualifications must be completed prior to the deadlines established by the high school and PBCC. To be eligible for participation in the Dual Enrollment Program, any Palm Beach County student must:

- Obtain a Dual Enrollment Permission Form from the high school principal or his/her designee (Home education students may obtain the form from the PBCC dual enrollment coordinator.)
- Complete a PBCC Credit or PSAV Application (depending on the type of dual enrollment desired)
- Have completed his/her sophomore year
- Be approved by the high school principal/designee
- Have parental permission
- Satisfy all course prerequisites.

Appeals of these requirements may be considered. Interested students should contact their high school principal. The completed form and College application must be submitted to the Registrar's Office or a PBCC dual enrollment campus coordinator. After the form has been submitted, the student may then register for the PBCC course(s) offered at the high school site or courses offered on the College campus.

A new Dual Enrollment Permission Form must be submitted for each term enrolled. The following courses are NOT permitted:

- College Preparatory courses
- Physical Education activity courses
- Courses less than three credits (unless a corequisite or in PSAV dual enrollment)
- Intermediate Algebra (MAT1033)
- Principles of Chemistry (CHM1015)

#### College Credit Dual Enrollment

In addition to the minimum qualifications, students must also meet the following:

Achieve a weighted or unweighted grade point average (GPA) or honors point average (HPS) of 3.0\* or higher. Note: High school juniors or seniors with a 2.5 GPA are eligible to take Strategies for College Success, SLS1501.

Placement testing scores (ACT-E, SAT I, or FCLEPT) adequate for college level English or mathematics, when applicable.

\*Dual enrollment students may participate in PBCC's Honors courses or Honors contracts with a 3.5 cumulative GPA.

Students participating in dual enrollment must maintain a 3.0 weighted or unweighted high school grade point average and must earn a grade of C or higher in their college-level courses to continue participation.

### PSAV Dual Enrollment

In addition to the minimum requirements, students must also:

- Have a minimum 2.0 weighted or unweighted grade point average (GPA)
- Be the appropriate age (if applicable for the program)
- Have TABE Level D appropriate scores\*
- Enroll in an approved program.

Courses within a program are sequential and are not available to students who have not been accepted into the program. Students participating in PSAV dual enrollment must successfully complete each PSAV course in the program sequence to continue participation.

\* *Students must meet the TABE minimum basic skill level by the conclusion of a program to receive a PSAV Certificate, with the exception of limited access programs, which require the minimum test scores to be achieved prior to admission to the program.*

### TECHNOLOGY PREPARATION (TECH PREP)

PBCC and the Palm Beach County School District offer programs that provide technology preparation (Tech Prep) components. Through their Inter-Institutional Articulation Agreement, these institutions agree that students who complete technology "pathways" (programs of study) in high school can qualify for college credit that applies to certain A.S. or A.A.S. degree programs or vocational certificates.

These programs and certificates are indicated in this catalog with a designation of "TPA," (Tech Prep Articulated), after the program or certificate name listing in the Program of Study section. Students who are interested in qualifying for this type of credit must first check with their high school counselors to verify that they have completed the "pathway" courses at the high school level and any other requirements. Then, upon registering at PBCC, the student should contact the manager of the program of interest or Dr. Maria Vallejo, Central Campus provost, (561) 357-1324, [vallejom@pbcc.cc.fl.us](mailto:vallejom@pbcc.cc.fl.us) about further course requirements to qualify for credit for completed high school courses.

## Admission Procedures

### FIRST-TIME-IN-COLLEGE STUDENTS OR TRANSFER STUDENTS

#### 1. Application

Complete the application form in detail and forward it to any campus Admissions Office. International students seeking a student visa must send applications directly to the Lake Worth campus. Incomplete applications will be returned.

#### 2. Application Fee

The application fee is \$20 for U.S. citizens. For international students, the fee is \$30 U.S. currency (F-1, I-20 students only). The application fee is nonrefundable. There is no application fee for PSAV applications.

#### 3. Transcripts

Transcripts are official records of coursework taken at educational institutions. All credit degree-seeking students are required to have transcripts sent within one term or they may not register for subsequent terms. Transcripts should be received by the Registrar's Office

prior to orientation and registration and must show graduation with a standard high school diploma or high school equivalency diploma. Transfer students should read information in the Transfer Credit section of this chapter. All transcripts and documents received become property of the College and will not be copied or transmitted to third parties, except in accordance with state law.

All transcripts from post-secondary institutions outside the United States must have a course-by-course commercial evaluation completed by an approved agency. Agency information is available in the Office of the Registrar or International Admissions. The Registrar must receive all international students' transcripts and commercial evaluations before their first term of enrollment will be permitted.

Candidates for Post Secondary Adult Vocational (PSAV) programs may also need to provide documentation of high school graduation. Refer to program information in this catalog.

Applicants who have received the State High School Equivalency Diploma by passing the General Education Development (GED) test are given the same rights and privileges as a student with a standard high school diploma. The GED test is administered to students, at least 18 years of age, by the Office of Adult Education (an official testing center for the Florida State Department of Education). Official transcripts must be sent directly from the GED testing center to the Admissions Office.

#### 4. Placement Tests

All degree-seeking students, and non-degree seeking students wishing to take Gordon Rule writing and mathematics courses, who have not successfully completed college-level math and English must furnish official test scores from the Florida College Entry Level Placement Test (FCELP), ACT-E, or SAT I before registration. (If ACT-E or SAT I scores are too low, students must retest or take the FCELP for placement.) The test must have been taken no more than two years prior to the admission date. Students who have not yet taken one of the placement tests listed above should contact the Testing Center on the campus where registering.

PSAV students may be required to meet score requirements on the Test of Adult Basic Education (TABE) score requirements. Refer to program information in this catalog.

#### 5. Orientation

Orientation is required of all first-time-in-college degree-seeking students before registration.

#### 6. Acceptance of Students

Upon completion of all forms and assuming eligibility, the applicant will receive an acceptance letter from the Admissions Office. Limited or selected admission programs require a second step in the admission process.

Any student falsifying application records will be subject to immediate dismissal without refund.

#### 7. Non-Degree Status

Students who have been admitted for credit course work may classify themselves as non-degree seeking (credits will be granted for completed courses) as long as they have a standard high school diploma or high school equivalency diploma (GED). The non-degree status may be used only in those cases where it is not necessary for the student's previous academic records to be on file. The non-degree status shall not be used with degree-seeking, certificate-

seeking students, students seeking any type of financial aid (Social Security, veteran benefits, federal grants, scholarships, etc.), or by international students on an F-1 visa. Non-degree-seeking students are not eligible for financial aid.

Non-degree seeking students may be required to submit placement scores in order to register for certain courses. Please see the course description listed in the Course Description section of this catalog or speak with an academic advisor.

### INTERNATIONAL STUDENTS Applicants to Degree Programs

Palm Beach Community College is authorized under United States Federal Law, Immigration and Nationality Act, Section (101)(a)(15)(F) to enroll non-immigrant alien students. The College welcomes students from other countries who meet the standard admissions requirements in addition to the following:

1. The international applicant should start the admission process at the earliest possible date prior to the beginning of any College term. Three months lead time is recommended to ensure enrollment as requested. International students who are unable to complete the required admission and registration procedures prior to the beginning of classes for the approved term of enrollment must wait for the next term to begin their studies at PBCC. Applications from international students will be accepted only for the fall and spring 16-week terms (August and January) and the summer 12-week semester (May). Please be aware that all admission documents must be received by July 20, 2001, for the Fall 2001 term and November 19, 2001, for the Spring 2002 term and April 12, 2002, for the Summer 2002 term.

2. Documents written in a foreign language may be required to be accompanied by certified English translations. Satisfactory academic and conduct records from comparable secondary or higher-level educational institution attended must be submitted. Records must show the equivalent to at least United States high school graduation as determined by the Registrar's Office. University-level transcripts must be accompanied by a course-by-course commercial evaluation from an accredited company. (Information on accredited companies is available in the Registrar's Office.)

3. International students whose native language is not English must present evidence of proficiency in speaking, writing and understanding of the English language by submitting a score of 450 or higher on the Test of English as a Foreign Language (TOEFL) or 133 or higher on the computerized TOEFL. The TOEFL is administered by the Education Testing Service (ETS), Princeton, New Jersey 08451, USA (<http://www.toefl.org>). The applicant must assume responsibility for making arrangements directly with ETS to take the examination and must request the results be sent to the Office of International Admissions and Recruitment at PBCC (PBCC TOEFL Code is #5531). A score of 60 or higher on the Michigan English Language Assessment Battery (MELAB) or a score of 110 on the Comprehensive English Language Test (CELT) will be accepted in lieu of the TOEFL. PBCC administers the CELT through its Testing Centers. When the CELT is given, students will also take PhonePass, a computer and telephone test of English speaking and listening skills, which is used to determine the correct placement in the two Speaking and Listening course levels. The PhonePass score for Level I is 2-5, and the score for Level II is 5.1-6.4. The CELT may be taken once every 30 days.

4. International applicants are required to provide a notarized affi-

davit of financial support. They must show that they have sufficient funds to cover tuition, fees, books, living expenses, transportation and incidental expenses while attending Palm Beach Community College. Proof of the availability of funds (i.e., bank statements) to cover the expenses for the first year of enrollment is required. Funds must be available prior to the time international students register for each semester. No federal financial aid is available to international students, although limited funds are sometimes provided by local community organizations through the Financial Aid Office.

5. International applicants transferring from any post-secondary institution must have at least a 2.0 GPA, be in-status with immigration and be in good standing (i.e., eligible to continue at or return to their present institution). All transcripts from post-secondary institutions outside the United States must have a course-by-course commercial evaluation completed by an approved agency. Agency information is available in the Office of the Registrar or International Admissions. The registrar must receive all international students' transcripts and commercial evaluations before their first term of enrollment will be permitted.

6. Health and accident insurance is required of all international students and can be provided through the Office of International Admissions and Recruitment.

7. It is the student's responsibility to comply with all non-immigrant alien requirements as stated in the United States laws under Section 101(a)(15)(F) of the Immigration and Nationality Act.

#### The following conditions apply:

- a. All international students must be classified as degree-seeking students and maintain full-time academic status (12 semester hours) in the fall and spring terms. In addition, students admitted in the summer must be enrolled full time during their initial term of enrollment.
- b. International students are expected to complete the two-year program in two years and maintain at least a 2.0 GPA.
- c. International students must keep a current passport that is valid for at least six months in the future.
- d. International students must have their travel documents reviewed by the international student advisor before leaving the USA.
- e. Employment is not permitted for F-1 visa students without meeting specific conditions and having permission from the United States Immigration and Naturalization Service (INS).

International applicants will be notified by the Office of International Admissions and Recruitment of their acceptance to PBCC and will then be provided with the Certificate of Eligibility (Form I-20). Documentary evidence of means of financial support must be attached to the Certificate of Eligibility (Form I-20) when applying for the student visa at the United States Embassy or Consular Office, or for the Change of Status with the Immigration and Naturalization Service (INS).

### Applicants to Certificate Programs

Palm Beach Community College has been approved by the Immigration and Naturalization Service (INS) to issue Certificates

of Eligibility (I-20 M/N's) to non-immigrant applicants to selected postsecondary vocational programs. Prospective international (M-1) students should start the admission process at the earliest possible date prior to the beginning of any college semester. A three-month lead-time is recommended to ensure enrollment as requested. Applications from international (M-1) students will be accepted only in the following programs: Accounting Operations, Administrative Assistant, Medical Secretary and PC Support Services (this list is subject to change). For deadline dates, please contact the Office of International Admissions and Recruitment.

Before admissions to Palm Beach Community College, International (M-1) students must submit the following documents to the Office of International Admissions and Recruitment, Palm Beach Community College, 4200 Congress Avenue, Lake Worth, Florida 33461, U.S.A.:

- A Palm Beach Community College Post Secondary Adult Vocational (PSAV) Application.
- Proof of English proficiency, if English is not the native language. A score of 450 on the Test of English as a Second Language (TOEFL) or 133 on the computerized TOEFL version; a score of 60 on the Michigan English Language Assessment Battery (MELAB) or 110 on the Comprehensive English Language Test (CELT) will be accepted in lieu of the TOEFL. PBCC administers the CELT through its Testing Centers.
- A notarized Affidavit of Financial Support signed by sponsor.
- Sponsor's financial statement from banking institution showing funds equivalent to the total estimated cost for living and educational expenses for the selected program. The statement must be on bank letterhead and stamped by bank officials. (Employment letters showing salary per year can only be used as back-up documentation.)
- A statement from a local sponsor who will assume responsibility for housing and transportation (optional).

#### **Upon arrival, or if student is already in the United States, the following must be provided:**

- Copy of visa stamp and I-94 (front and back)
- International Student Transfer Form and copy of previous I-20 (for students transferring from INS approved schools).
- International applicants will be notified by the Office of International Admissions and Recruitment of their acceptance to PBCC and will then be provided with the Certificate of Eligibility (Form I-20). Documentary evidence of means of financial support must be attached to the Certificate of Eligibility (Form I-20) when applying for the student M-1 visa at the United States Embassy or Consular Office, or for the Change of Status with the Immigration and Naturalization Service (INS).

Before an international (M-1) student can enroll in classes, the following steps have to be taken:

- Take the Test of Adult Basic Education (TABE).
- Provide proof of health and accident insurance to the Office of International Admissions and Recruitment in Lake Worth, Florida.

#### **READMITTED STUDENTS**

A student who wishes to return to Palm Beach Community College for classes after an absence of 12 months or more should:

1. Complete a new application for admission from the Registrar's Office.
2. Send for additional forms or transcripts, if seeking degree or if necessary to satisfy prerequisites, to update admission records. Transcripts should be received before registration, but must be received within one term or the student may not register for subsequent terms.

#### **TRANSFER STUDENTS**

A student is classified as a transfer student if he/she has previously registered at any other regionally accredited college or university, regardless of the amount of time spent in attendance or credit earned. Any student who has been suspended for disciplinary reasons at any college or university must be cleared for admission through the PBCC Admissions Appeals Committee.

1. Degree-seeking credit students who transfer from other colleges or universities must request that official transcripts be sent directly to the Registrar's Office from each college or university attended. All transcripts must be received within one term or no registration will be allowed for subsequent terms. It is important for students to have transcripts sent as early as possible to allow evaluations to be completed before registration.
2. Palm Beach Community College accepts on transfer only those courses completed at other regionally accredited\* institutions with grades of D or higher. All courses on the transcript are considered in calculating grade point average for student standing and for meeting graduation requirements. Grades of D cannot be used to satisfy any General Education requirements.

*\*A student or institution may appeal the policy. However, should the quality of the educational program of the institution attended appear mediocre or unsatisfactory, the College registrar has the prerogative not to accept all or any part of the previously earned credit.*

#### **Correspondence Courses**

Correspondence course transfer credit may be accepted provided:

- The course was administered by a regionally accredited institution\*
- The minimum grade D was earned.
- The credit is acceptable by the institution offering the correspondence course toward one of its own degrees

*\*A student or institution may appeal the policy. However, should the quality of the educational program of the institution attended appear mediocre or unsatisfactory, the College registrar has the prerogative not to accept all or any part of the previously earned credit.*

#### **TRANSIENT STUDENTS**

Students currently attending other colleges or universities who plan to enroll at Palm Beach Community College and transfer their credit back to their home institution must complete a Palm Beach Community College application form or, if they have previously been students at PBCC, update their records. An official college transcript or a Letter of Good Standing must be mailed directly to the Registrar's Office. If the student wishes to continue attendance at Palm Beach Community College, he/she must complete admission requirements.

Transient students should be advised by their home colleges concerning recommended courses to be completed at Palm Beach Community College. International students must also submit a written authorization from the International Student Office of their home institution.

### **Credit for Prior Learning**

College credit may be awarded for prior learning opportunities and/or acceptable scores through Advanced Placement (AP), College Level Examination Program (CLEP), or International Baccalaureate (IB). Students may not receive credit by examination for courses in areas where they have received college credit for more advanced work. CLEP, AP, or IB credits may not be applied toward grade forgiveness.

Students with official transcripts of credit earned outside a regionally accredited classroom, issued directly to the college from the program in question, may be awarded up to a maximum of 45 semester hours of credit.

#### **ADVANCED PLACEMENT (AP)**

It is the policy of Palm Beach Community College to grant college credit to a student who presents a score of 3, 4 or 5 on one or more of the advanced placement program examinations of the College Entrance Examination Board. To be eligible for credit, the examination must be taken prior to enrollment in college.

AP credit granted by Palm Beach Community College may be transferable to participating Florida institutions of higher education. It is the responsibility of the student to contact the institution to which he/she expects to transfer to determine the acceptability of this credit. PBCC follows the guidelines in Florida State Board Rule 6A-10.024(8) for awarding AP credits.

#### **COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)**

Students may earn a maximum of 21 credit hours from the following general examinations: natural sciences, mathematics, humanities, social sciences and history. Additional credits may be earned through various subject examinations. CLEP credit may not be used to satisfy any General Education course that is also Gordon Rule (regardless of degree program) except math. If a CLEP exam is taken for one of these courses (such as Psychology), students may use the credit as elective credit only. CLEP will still be accepted for math and science in the General Education areas.

Some colleges and universities do not allow credit for this program.

It is the responsibility of the student to contact the institution to which he/she expects to transfer to determine the acceptability of this credit. PBCC follows the guidelines in Florida State Board Rule 6A-10.024(7) for awarding CLEP credits.

#### **DEPARTMENTAL AND SPECIAL COURSE CHALLENGE EXAMINATIONS**

Students who have been admitted to the College may take, when available, special credit course "challenge" examinations. Any credit earned will be reported to the student but will not be placed on his/her transcript until after the student has registered for that course. Institutional challenge exams may not be taken more than once. If the student drops during the add/drop period, the credit will not be granted.

#### **INTERNATIONAL BACCALAUREATE (IB)**

PBCC grants college credit to a student who has received a diploma from the International Baccalaureate program for higher-level and subsidiary-level subjects with scores of 4 or above, up to a maximum of 30 semester hours. For those students who have the IB Certificate only, college credit will be awarded for higher-level subjects with scores of 5 or above. PBCC follows the guidelines in Florida State Board Rule 6A-10.024(9) for awarding IB credits.

#### **EXPERIENTIAL LEARNING**

The experiential learning assessment process is designed to recognize the academic value of learning through experiences including work experience, employment-related training programs, seminars, volunteer work, travel, military service or self-directed study.

#### **Assessment**

Assessment involves the following:

- Written or performance tests
- Preparation of a portfolio describing learning and how it was acquired
- Evaluation of certificates and licenses
- Interviews with faculty members
- Review of external agency recommendations.

The program area responsible for the courses for which credit is requested determines the method of assessment and the amount of credit awarded.

Not all courses are assessable courses. Courses being assessed must be offered as a requirement or an elective in an A.S. or A.A.S. degree or certificate program at PBCC. General education courses are not assessable.

#### **Process**

After being admitted to the College and selecting a program with the help of a counselor or advisor, the student must:

1. Meet with the appropriate program representative to determine if an assessment process is available for selected courses.
2. Apply for assessment on forms available from the department or student services.
3. Consult with the department, program manager or designated faculty evaluator to determine requirements for assessment and fees required.
4. Discuss student responsibilities in the assessment process, including:

- Meeting with an instructor for an oral or written exam
  - Preparing for a written exam by reviewing textbooks
  - Arranging for an instructor to interview an employer as well as a worksite visit
  - Presenting certificates and licenses for authentication
  - Developing a portfolio of experience
  - Providing ACE recommendations for military training.
5. Pay necessary fees (minimum fee \$15 per course) for assessment. It is possible that academic credit will not be awarded as requested, but the cost of assessment remains the same.

#### Award of Credit

Depending on the amount of credit requested and the methods of assessment required, the assessment process time may vary. When the process is completed, the results are forwarded to the Dean of Career and Technical Education for final review and verification. The dean will request that the registrar post any awarded credits to the transcript. Credits awarded are held in escrow until the student satisfactorily completes 25% of program coursework (15 credits - AA) at PBCC. Experiential credit may not be used to meet the residency requirement of 25% of program course work required at PBCC for graduation.

#### MILITARY SERVICE CREDITS

PBCC grants credit for the United States Armed Forces Institute (USAFI) and College Level Examination Program (CLEP). Credit is not granted for USAFI high school or college level GED tests. However, students may use the USAFI high school certification or GED for admission to the College. PBCC is a Service Opportunity College (SOC) member and uses the American Council on Education (ACE) guidelines in evaluating military learning experiences. The College follows the guidelines in Florida State Board Rule 6A-10.024(12) for awarding credit for Defense Activity of Non Traditional Educational Support (DANTES) exams. See International Student Advisor at Lake Worth for evaluation information.

## Placement Testing

### REQUIREMENTS FOR CREDIT COURSES AND PROGRAMS

All degree-seeking students, and non-degree seeking students wishing to take Gordon Rule writing and mathematics courses, who have not successfully completed college-level math and English must furnish official test scores from the Florida College Entry Level Placement Test (FCELP), ACT-E, or SAT I before registration. (If ACT-E or SAT I scores do not meet the state-designated minimums, students must retest or take the FCELP for placement.) The test must have been taken no more than two years prior to the admission date. Students who have not yet taken one of the placement tests listed above should contact the Testing Center on the campus where registering.

As shown on Table 2-1, higher scores place students into regular or advanced courses, while lower scores require students to be placed into college preparatory courses. Students placed into the college preparatory program will be allowed three attempts to complete each subject area. Students identified as English as a Second Language (ESL) students may be required to take ESL courses.

Advisors will use this information for placement of a student in mathematics, English, reading, and Gordon Rule writing classes.

*ALL STUDENTS WHO TEST INTO COLLEGE PREPARATORY COURSES ARE STRONGLY ENCOURAGED TO READ THE COLLEGE PREPARATORY COURSE REQUIREMENT SECTION LISTED IN THE ACADEMIC POLICIES SECTION OF THIS CATALOG.*

- Students required to take the FCELP must bear the cost of the test.
- The Florida Commissioner of Education and the State Board of Education determine the entry-level test cutoff scores. In addition to the cutoff scores for college prep, scores for advising into other courses have been identified.
- Cutoff scores for placement in mathematics, English and reading courses shall be those given in Table 2-1. Students may register for a course lower than indicated by test scores but not in a higher one.
- Students who test into the college preparatory program shall begin taking college preparatory courses during their first 12 semester hours of credit course work at the College and must continue to enroll in college preparatory courses until all preparatory requirements are completed. Students who test into college preparatory English or reading cannot enroll in any Gordon Rule writing course until the preparatory course(s) in the respective areas have been successfully completed. Those who test into college preparatory mathematics cannot enroll in any course for which mathematics is a prerequisite.
- Students currently enrolled in a college preparatory course may not attempt to test out of that area after add/drop. Students must wait 30 days before retesting in a subject area.

*Note: Students may find a list in the Testing Centers of tutorial services that assist students with the FCELP. These services are provided as an alternative remedial option to traditional courses; however, upon completion, students still must score satisfactorily on the FCELP in order to place out of college preparatory courses.*

### PLACEMENT TEST SCORES

ESL PREP COURSES	Florida College Entry Level Placement Test (FCELP)
ESL 0020 - ESL Reading Level I *	0-54 (RC)
ESL 0021 - ESL Reading Level II	55-68 (RC)
ESL 0121 - ESL Reading Level III	69-82 (RC)
ESL 0040 - ESL English Level I *	0-54 (SS)
ESL 0041 - ESL English Level II	55-68 (SS)
ESL 0181 - ESL English Level III	69-82 (SS)
ESL 0001 - ESL Speaking & Listening I	2.0- 5.0 (Phone Pass)
ESL 0002 - ESL Speaking & Listening II	5.1- 6.4 (Phone Pass)

\* Students required to prove English proficiency may be placed into the ESL Foundation Program.

NOTE: ESL placement scores subject to revision. Students whose primary language is not English, and who test into preparatory reading and/or English, are required to take ESOL preparatory courses.

COLLEGE LEVEL ENGLISH	ACT Enhanced	SAT I	Florida College Entry Level Placement Test (FCELP)
ENC 1101 -College Composition I	17 & above (English)	440 & above (Verbal)	83 & above (both RC & SS)
ENC 1121 -Honors College Comp I	27 & above (English)	N/A	87 & above (both RC & SS)
COLLEGE LEVEL MATH	ACT Enhanced	SAT I	Florida College Entry Level Placement Test (FCELP)
MAT 1033 - Intermediate Algebra + or MGF 1106 - Liberal Arts Math	19 & above (Math) or or MAT 0020	440 & above (Math) or or MAT 0020	72 & above (EA) or MAT 0020
MGF 1107- Finite Math or MAC 1105 - College Algebra ++ or STA 2023 - Statistics ++	20 & above (Math) or "C" or above in MAT 1033	450 or above (Math) or "C" or above in MAT 1033	72 & above (EA) and 44 & above (CLM) or "C" or above in MAT 1033
MAC 1114 - Trigonometry ++ or MAC 1140 - Precalculus ++	22 & above (Math) or "C" or above in MAC 1105	480 & above (Math) or "C" or above in MAC 1105	72 & above (EA) and 75 & above (CLM) or "C" or above in MAC 1105
MAC 2233 - Survey of Calculus ++	23 & above (Math) or "C" or above in MAC 1105 or MAC 1140 (preferred)	510 & above (Math) or "C" or above in MAC 1105 or MAC 1140 (preferred)	72 & above (EA) and 75 & above (CLM) or "C" or above in MAC 1105 or MAC 1140 (preferred)
MAC 2311 - Calculus & Analytic Geometry I +++	28 & above (Math) or "C" above in MAC 1114 and MAC 1140	560 & above (Math) or "C" or above in MAC 1114 and MAC 1140	72 & above (EA) and 95 & above (CLM) or "C" or above in MAC 1114 and MAC 1140

++ One year of High School Algebra is required

+++ Two years of High School Algebra are required

+++ Both MAC 1114 and MAC 1140 are prerequisites for MAC 2311-Calculus and Analytic Geometry I. Successful completion of High School Trigonometry is acceptable in lieu of MAC 1114

Table 2-1

**REQUIREMENTS FOR VOCATIONAL (PSAV) PROGRAMS****Test of Adult Basic Education (TABE)**

The TABE is a state requirement for students entering PSAV certificate programs of more than 180 contact hours. Any student enrolling in these programs without TABE scores will be tested during the first week of class. Students with an A.A. degree or higher; students who have successfully completed the College Level Academic Skills Test (CLAST); or students who have already met the minimum cut scores, within the past two years, on the ACT-E, FCELP or SAT I are exempt from the TABE exam. See program information for required TABE scores. Students must wait 30 days before retaking the TABE.

*Note: Limited Access Programs follow procedures specific to those programs. Exemptions may not be available for these programs.*

**Residence Classification**

A student's residence classification is determined at the time of admission to Palm Beach Community College. Students may petition to reclassify their status after having their legal domicile in the state of Florida for 12 months; however, any residency classification changes would be in effect for the next term. To change to resident student, a Residency Request Form must be submitted, with accompanying supporting documentation of residency, to the Registrar's Office prior to the first class meeting.

**IN-STATE RESIDENCY**

A student is considered to be a resident for tuition purposes when he/she (or, if a dependent, his parent(s) or legal guardian) has been a permanent resident of the state of Florida for at least 12 consecutive months preceding enrollment at Palm Beach Community College. Legal papers proving guardianship and other documentation must accompany the application, when applicable. Final residence determination will be based on state guidelines and will be determined by the Registrar.

Students may be eligible for a waiver of out-of-state tuition if they qualify for one of the following exceptions. (Documentation appropriate to the particular exception will be required.)

- Dependent children residing with a legal resident adult relative other than the parents for at least five years. Legal papers proving guardianship and copies of tax returns are required.
- Persons married to legal Florida residents and who intend to make Florida their permanent home, and who relinquish their legal ties to any other state.
- Persons who were enrolled as Florida residents for tuition purposes, but who abandon Florida residency and then re-enroll in Florida within 12 months of the abandonment.
- Active-duty members of the armed services of the United States residing or stationed in Florida (and spouse/dependent children), or military personnel not stationed in Florida whose home of record or state of legal residence certificate, DD Form 2058, is Florida (and spouse/dependent children).
- United States citizens living on the Isthmus of Panama, who have completed 12 consecutive months of college work at the

Florida State University Panama Canal Branch, and their spouses and dependent children.

- Full-time instructional and administrative personnel employed by Florida public schools, community colleges and institutions of higher education (and spouse/dependent children).
- Students from Latin America and the Caribbean who receive scholarships from the federal or state government. The student must be enrolled on a full-time basis.
- Full-time employees of state agencies or political subdivisions of the state when the fees are paid by the state agency or political subdivision for job-related law enforcement or corrections training.
- Qualified beneficiaries under the Florida Pre-Paid Post-Secondary Expense Program per S.240.551 (7)(a).
- A dependent child whose parents are divorced, separated, or otherwise living apart, will be considered a resident for tuition purposes if either parent is a legal resident of the state of Florida using the above guidelines, regardless of which parent claims the minor for tax purposes.

*Note: The College will require documentation in support of the above exceptions.*

**OUT-OF-STATE RESIDENCY**

Unless a student (or, if a dependent, his parent(s) or legal guardian) has had his place of bona fide permanent residence in the state of Florida for at least 12 months immediately preceding his registration, and established certain legal ties to the state, he will be classified as an out-of-state student. Employees of the School District of Palm Beach County or of Palm Beach Community College who are themselves students at PBCC and who wish to request a waiver of out-of-state tuition fees may submit proof from the Palm Beach County Superintendent of School's Office or from the College.

**RESIDENT ALIENS AND OTHERS**

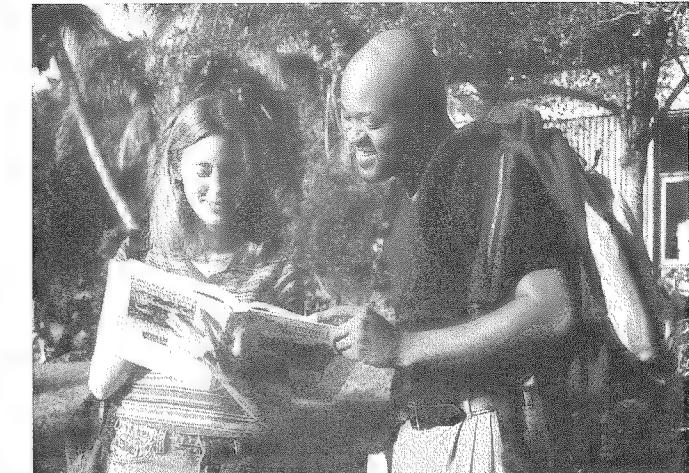
The law allows for non-U.S. citizens to be considered for Florida residency for tuition purposes if they are lawful permanent residents of the United States, asylees, parolees, or refugees who have applied for and been approved for such status. Students in these categories must provide appropriate immigration documents to support their status. To be considered a resident for fee purposes, they must also have established residence in the state of Florida 12 months immediately preceding the first day of class.

Certain nonimmigrant visa categories are eligible to establish Florida residency for tuition purposes. Please see the Admissions Office for more information. F-1 visa students cannot be considered for in-state residency.

## Students with Disabilities Substitution

Requests from eligible students with disabilities (as defined by State Board of Community Colleges Rule 6A-10.041) shall be considered for reasonable substitution with regard to admission and graduation requirements, provided that the inability to fulfill the requirement is due directly to the disability, that appropriate accommodations will result in success, and where the substitution will not constitute a fundamental alteration in the nature of the program.

The Academic Substitution Committee (consisting of a student services administrator, academic affairs administrator, a disabilities services advisor and two other professional personnel) reviews substitution requests, identifies reasonable substitutions and makes substitution decisions on an individual basis.



PBCC students at Belle Glade check their schedules between classes.

**Transfer Credit**

Students may transfer credit from other institutions into PBCC; however, at least 25% (15 credit hours-A.A.) of the program or certificate credit must be earned at PBCC (excluding CLEP or credit by exam or prior learning). All courses received for transfer college credit must be evaluated and approved by the College Registrar's Office. The amount of credit allowed for a quarter, semester or term would not exceed the amount the student earned at the original institution. Quarter-hour credits will be converted to semester hours.

Transfer credit may be accepted from degree-granting institutions that are fully accredited at the collegiate level by their appropriate regional accrediting agency. An institution or student may appeal the policy. Exceptions will be considered on a case-by-case basis. However, should the quality of the educational program of the institution attended appear mediocre or unsatisfactory, the College registrar has the prerogative not to accept all or any part of the previously earned credit. Students with college credit from colleges outside the U.S. must have their documents evaluated by one of the approved commercial evaluating companies. (Information on these companies is available in the Registrar's Office).

Appeals for evaluations should be addressed to the campus registrar.



## FINANCIAL INFORMATION

### Financial Aid

<http://www.pbcc.cc.fl.us/acad/finaid>

The mission of the Office of Financial Aid at Palm Beach Community College is to help students secure the resources necessary to pursue a post-secondary education, while striving to control excessive educational indebtedness at the community college level. The office is challenged to find a reasonable mix of family funds and student aid funds to assist with educational costs. In an effort to accomplish this mission, the Office of Financial Aid:

- Sets departmental goals that reflect and support the goals and mission of the institution
- Awards aid to students according to financial need, as determined by federal methodology
- Allows for flexibility in institutional policy to consider unusual circumstances, recognizing that each student's financial situation is unique
- Plays a proactive role for the purpose of providing an understanding of financial aid
- Provides information to ensure that the student understands his or her rights and responsibilities
- Offers guidance in financial and academic matters, especially as they relate to satisfactory academic progress
- Strives to serve students with sensitivity, courtesy and timeliness
- Facilitates student access and student success

Types of aid available at PBCC include grants, scholarships, work-study programs and student loans. Grants are awarded on the basis of financial need and do not have to be repaid. Scholarships do not have to be repaid and are awarded for various reasons including merit, talent and need. The work-study program allows students to earn money for their education through on-campus or community service jobs. Loans are available to parents and students and must be paid back according to the terms of the loan agreement. For detailed information on financial aid programs offered at PBCC, and how they are distributed, refer to the PantherAid publication available in the Financial Aid Office.

#### FEDERAL STAFFORD LOAN PROGRAM

First-time borrowers with Palm Beach Community College under the subsidized Federal Stafford Loan and/or unsubsidized Federal Stafford loan programs are required to complete an entrance interview before receiving their loan funds. A student must maintain at least six credit hours during the requested loan period in order to be eligible to receive funds from this program.

#### DISBURSEMENT OF FINANCIAL AID AWARDS

Financial aid awards generally are disbursed to students in September for the fall term, January for the spring term, and May for the summer term, provided the student has submitted all required information and meets all eligibility criteria, including the Standards of Academic

Progress for Financial Aid Program Participation. If the total amount of the award for the term exceeds the cost of tuition, fees and books (if any) for the term, the student may receive a refund of any remaining balance from the College Bursar's Office. Refunds are subject to the above disbursement schedule. Financial Aid awards are subject to change depending on the student's enrollment status at the time of disbursement. A student will not be paid for courses that are not in progress.

#### STUDY ABROAD

The law states that a financial-aid-eligible student participating in a study abroad program is eligible for Student Financial Aid funds to cover the study abroad program, regardless of whether the program is required for the student's program at Palm Beach Community College. The study abroad program must be part of a written contractual agreement between Palm Beach Community College and the visiting institution, and the program must be accepted for credit by Palm Beach Community College.

#### EMERGENCY LOANS

Emergency loans are available to assist students facing unexpected short-term financial difficulties. Loans will be approved for documented financial emergencies at the discretion of the campus financial aid coordinator. Students are limited to one emergency loan per semester up to a maximum of \$400. A two percent service charge will be collected upon repayment of the loan. Failure to repay the loan according to the specified terms may prohibit the student from receiving subsequent emergency loans from PBCC.

#### FINANCIAL AID APPLICATION

The Free Application for Federal Student Aid (FAFSA) is the first step in applying for all financial aid and is available through the Financial Aid Office on each campus. The student needs to complete only one FAFSA per academic year. The student must follow all instructions carefully as filling out this form right the first time will speed up the financial aid process. Assistance with completing the FAFSA is provided by the Financial Aid Office on each campus. Students must fill out the FAFSA completely and mail it to the federal processor in the envelope provided. Students with Internet access can file a FAFSA at <http://www.fafsa.ed.gov>. The Financial Aid Office will use the results of this application to determine financial need and financial aid awards.

If an application has been selected for verification, any corrections to the initial application may cause changes in award eligibility. No funds will be disbursed until the Financial Aid Office has completed its review of the information and verified your application; therefore, you should submit all requested forms as soon as possible.

*Note: The Financial Aid Department retains the right to request any additional documentation deemed necessary to complete the review or verification of an application.*

#### STUDENT RESPONSIBILITIES

- Students must reapply for financial aid every academic year. (The academic year begins in August.) Applications are available beginning in January for the upcoming academic year. Please see the student handbook for important dates and priority deadlines concerning financial aid.

- Students must have a high school diploma, GED, or be admitted to the college under the Ability to Benefit clause before any aid can be disbursed.
- The student must be enrolled at PBCC as a degree-seeking student in an eligible program of study to receive a financial aid disbursement.
- Students must keep their addresses updated. Students can change their information online at <http://www.pbcc.cc.fl.us>, or contact the Admissions Office, each time the address changes to avoid unnecessary delays in receiving checks and correspondence.
- Students must keep the Financial Aid Office updated on any changes to their academic schedule and/or enrollment status. Students who decide not to attend one or more classes will be liable for the tuition and fees unless they drop the course(s) prior to the end of the published add/drop period for that term.
- Students must notify the campus Financial Aid Office if they plan to enroll at more than one institution during the same semester.
- Students can only receive funding from one school at a time; however, you may be eligible to have your award amounts adjusted if you qualify for dual enrollment. See the campus Financial Aid Office for details.
- Students must meet the College's Standards of Academic Progress to be eligible to receive Financial Aid (see the Standards of Academic Progress section). Failure to meet these minimum standards will result in the suspension of the award(s).
- All transfer students must have all postsecondary transcripts evaluated by PBCC before there can be an offer of financial aid.

#### ENROLLMENT STATUS

For the purpose of awarding and adjusting financial aid, the following chart is used to determine enrollment status for financial aid recipients.

Status	Credit Hours Required
Full-time.....	12 or more
Three-quarter time .....	9 to 11
Half-time .....	6 to 8
Less than half-time .....	1 to 5

#### FINANCIAL AID FOR STUDENTS WITH DISABILITIES

Students with disabilities are eligible to apply for any and all forms of financial assistance that are available through the College. There are no programs, however, through either the Financial Aid Office or Disability Support Services (DSS) Office that are specifically for students with disabilities. The DSS Office maintains a small list of specialized scholarships, but the list is very limited.

Students with documented disabilities may enroll in a less than full-time course load as an academic adjustment to accommodate their disabilities under the Americans with Disabilities Act of 1990 and the regulations accompanying Section 504 of the Rehabilitation Act

of 1973. Students are encouraged to discuss full-time course load requirements with an academic advisor or student services counselor for their respective program. Additionally, the nature of the disability must warrant the adjustment. A financial aid counselor can determine how a reduced course load will affect their aid.

Students should be aware that federal law requires the Federal Pell Grant funds be prorated based on the number of credits taken, and that the student financial aid budget will also be reduced accordingly. In addition, to participate in the federal Stafford Loan Program, or to have a previous loan deferred, the student must take at least six credits. Finally, as always, eligibility for financial aid depends upon satisfactory academic progress.

#### STANDARDS OF ACADEMIC PROGRESS FOR FINANCIAL AID PROGRAM PARTICIPATION

According to federal regulations, students participating in any federal financial aid programs offered through Palm Beach Community College will be subject to the following Standards of Academic Progress. These standards will also apply to state programs. Calculation under these standards will include all terms of enrollment, regardless of whether the student was a financial aid recipient. These standards were effective for all financial aid recipients as of Fall Term 1999.

#### Minimum Standards

To be considered as making satisfactory academic progress, the student must maintain the minimum cumulative GPA (as shown in Table 3-1) and a minimum 67% course completion rate (audits, failures, incompletes, repeats, and withdrawals are included as attempts).

Table 3-1

Required Minimum Standards	
<i>Students are required to have:</i>	
<b>Cumulative Hours Attempted</b>	<b>Cumulative GPA</b>
1-14 .....	1.4
15-27 .....	1.6
28-45 .....	1.8
46-90 .....	2.0
91 and above.....	may no longer be eligible to receive Financial Aid

*Students are also required to have a minimum 67% course completion rate.*

Federal regulations require that students complete their programs in a period no longer than 150% of the published program length. Students seeking the A.A. degree will be eligible to participate in the financial aid programs offered at PBCC until they have attempted 90 credit hours. Student seeking A.A.S. and A.S. degrees and certificates will also be eligible until they have attempted 150% of the number of credit hours needed for their program as published in this catalog. All credits that appear on the student's transcript will be counted as cumulative hours attempted regardless of the grade received including transfer credits, CLEP hours and repeated courses, and certain ESOL courses if designated as credit courses by the transferring institution.

College Prep course work will not be included when applying these standards. However, the student is eligible to receive financial aid for a maximum of 30 college prep hours.

All incomplete grades (grades of I) will be counted as failing grades (grades of F) until the Registrar's Office posts the final grade on the transcript.

These standards will be assessed at the end of fall and spring terms (summer enrollment will be calculated at the end of fall terms). Students who fail to meet the minimum standards will be suspended from all federal and state financial aid program participation until they have earned the appropriate GPA and have achieved the required minimum completion rate. Students who exceed the maximum time frame will be terminated from all federal and state financial aid program participation at PBCC.

A student who is placed on financial aid suspension or termination will not be eligible to receive any federal or state funding, including student loans. Students who are suspended must pay for their own classes until they have earned the minimum required GPA and hours. Students will not be reimbursed for the courses taken while on suspension.

#### Appeals

Students may appeal suspension or termination status based on the following mitigating circumstances:

1. Death in the family affecting the student's academic performance
2. Illness of the student or immediate family member having direct effect upon the student's academic record
3. Other extraordinary circumstances determined acceptable by the Financial Aid Office

These students must complete a Financial Aid Suspension/Termination Appeal Request form and submit it to their campus Financial Aid Office. If denied, the student may pursue further review by the Financial Aid Committee. Upon approval of a suspension appeal, the student's financial aid eligibility will be reinstated for the current term, during which he or she must achieve the minimum standards. Upon approval of a termination appeal, the student must maintain a minimum 2.0 GPA and earn all credit hours attempted.

#### POLICY FOR WITHDRAWALS

Students who withdraw from the College (all courses in a given term) and are receiving financial aid will be subject to the Refund and Repayment Policy and may have to return funds. (See the following section.) In addition, withdrawals affect the qualitative measure of progress and the time frame for degree completion listed above.

#### REPAYMENT OF TITLE IV FUNDS

The amount of Title IV aid a student must repay is determined via the Federal Formula for Returns of Title IV Funds, as specified in Section 484B of the Higher Education Act. This act also specifies the order of return of the Title IV funds to the programs from which they were awarded. A copy of the complete policy is available in the Financial Aid Office.

#### STUDENTS IN DEFAULT ON TITLE IV LOANS

Students in default will not have access to transcripts or registration. Before a default hold will be lifted to send out a student academic transcript, a letter must be on file from the lender stating that the student has worked out a payment plan and is showing a good faith effort to pay the loan. In the case of lifting a default hold to allow a student to register at the College, the student must prove that he or she has made a good faith effort to repay the loan or provide evidence that it is in the best interest of the College, student and lender for the student to be allowed to continue at the College.

#### TRANSFER STUDENTS

Any student who transfers to PBCC from any other school beyond high school must provide official transcripts from all other schools attended. The transcripts must be evaluated by PBCC before there can be an offer of financial aid.

#### VETERAN AFFAIRS (VA)

The College is state approved for veterans training. Veterans and eligible dependents who plan to attend under any of the various veterans' training laws should apply through the veterans' section of the Financial Aid Office.

Upon enrollment, veterans and veteran-dependents are required to pay all regular fees and charges just like other students; the exceptions are pre-certified Chapter 31 students (disabled veterans under vocational rehabilitation). Any VA student may receive one deferment per academic year to pay his/her fees by completing the appropriate forms in the veterans' section of the Financial Aid Office. Veterans who choose to defer their fees and fail to pay by the due date will be treated like other students who fail to pay fees. Upon certification by the College and Veterans Administration, an educational allowance is paid monthly to the student for training time computed as follows in Table 3-2.

<b>Veterans Affairs Allowance</b>		
<b>Time</b>	<b>Regular Term</b>	<b>Six-Week Session</b>
Full	12 hours or more	4 hours or more
3/4	9-11 hours	3 hours
1/2	6-8 hours	2 hours
Fees Only	1-5 hours	1 hour

Students claiming benefits and eligible to receive a monthly benefit check should be prepared to meet their expenses in full for the first two or three months prior to receipt of their first VA check. When eligibility is established, checks usually arrive by the 10th of each month.

<b>Standards of Progress For Veteran Students</b>	
<b>Semester Hours Attempted</b>	<b>Grade Point Average</b>
1-14	1.4
15-27	1.6
28-45	1.8
46 and over	2.0

#### Standards of Progress for Veteran Students

Palm Beach Community College has established the following standards of progress for all veterans or eligible persons receiving VA benefits to comply with Veterans Administration regulations:

1. Complete academic records are maintained on each veteran who is certified as eligible for benefits under the public laws. The records must show continuous pursuit of a degree and the rate at which progress is being made. They include final grades in each subject for each term, record of withdrawal from any subject to include the last day of attendance for a course and record of enrollment in subjects from which there was a withdrawal.

2. Complete academic records are maintained on previous college-level academic training, and these records indicate the amount of credit accepted that proportionately shortens the training period. The record is cumulative in that it shows the results of each term of enrollment, subjects taken and grades earned.

3. Students receiving VA benefits should note that excessive absences would result in termination of benefits. A veteran or other eligible student will be subject to the attendance criteria covered in this catalog. PSAV students with absences totaling more than the equivalent of 10 percent of the total hours for the enrollment period will result in the student being terminated from receipt of VA benefits due to unsatisfactory attendance.

4. Policies relative to standards of conduct and progress required of the student are enforced. These include, but are not limited to, placing students on academic probation when their grade point average is below that indicated in Table 3-3. PSAV students who fail to maintain satisfactory progress are not permitted to continue enrollment in the program and would not, therefore, be certified as eligible to receive benefits.

5. If the appropriate GPA has not been attained after one semester on probation, the Veterans Administration will be notified that the student is making unsatisfactory progress and that educational benefits should be discontinued. Notice of changes in enrollment status is also sent when a student withdraws during a term or changes status.

6. Unsatisfactory progress will be reported when a student accumulates punitive grades (Fs) equivalent to more than the minimum number of credit hours considered to be full time (12).

7. PSAV students are expected to complete a program within the number of training hours approved by the State Approving Agency for Veterans Training. Likewise, the state requirement for Basic Skills must be met for the particular program. If at any point it is determined that a student cannot successfully complete the program within the approved number of hours, the student's VA benefits will be terminated because of unsatisfactory progress.

8. PSAV students at the end of any evaluation period who have not attained and maintained satisfactory progress (70 percent or above on written exams and passing or above on all skills and technical requirements) will be placed on academic probation for the next evaluation period. Should the student not attain and maintain satisfactory progress by the end of the probationary period (one evaluation period), the student's VA benefits will be terminated due to unsatisfactory progress.

*It is the responsibility of the veteran to advise the Veterans Affairs Office of any changes in status, i.e., address, withdrawal from class, etc. The coordinator of Veterans Affairs is located in the Financial Aid Office.*

## Fees and Payment

#### CLASS TUITION AND FEES

All fees are due at the time of registration and must be received by their payment due date. Students may pay using several options:

- In person at the Cashier's Office
- By drop box located at each PBCC location
- By phone on PantherLine at (561) 434-5046 from 8 a.m. to 11 p.m. daily. Please note that the system may be down for periodic system maintenance.

No registration will be completed until all matriculation fees, tuition fees and miscellaneous fees have been paid in full. A student may not attend classes until this has been completed. A student will be withdrawn from classes if the student's check is returned unpaid. If a student has had a returned check, he/she will be required to pay all future fees by cash, money order or certified check. Personal checks may be accepted for the amount of fees due. It is suggested that each student bring two checks to registration: one for registration and one for the purchase of books and supplies. All fees are subject to change by action of the Florida Legislature and the PBCC District Board of Trustees.

#### Application and Registration Fees

##### *Non-Refundable Fee*

Application Processing Fee for Credit Student .....	\$20
Application Processing Fee for International Student .....	\$30
Registration Fee (one time per term).....	\$5

*Note: These fees do not apply to PSAV students.*

#### Tuition Fees

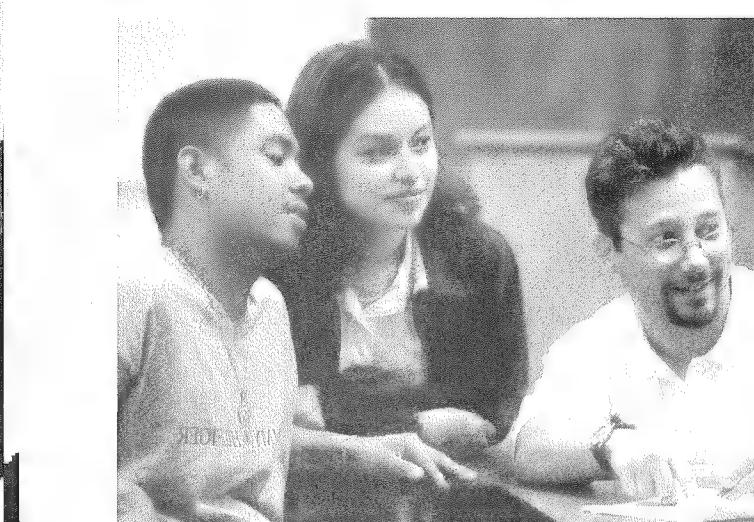
##### *Per Semester Hours- All Terms*

In-State Student (Florida residents) .....	\$48.00
Out-of-State Student (Non-Florida resident) .....	\$180.00
PSAV In-State Student (Florida resident) .....	\$1.50 per contact hour
PSAV Out-of-State Student (Non-Florida resident) .....	\$6.63 per contact hour

*\*Fees Subject to Change.*

#### Application Fees for Limited Access Programs

Dental Hygiene .....	\$20
Occupational Therapy.....	\$20
Nursing .....	\$20
Radiography.....	\$20
Respiratory Care.....	\$20
Dental Assisting .....	\$10



Math Professor Jay Domnitch, right, leads his students through problem solving exercises.

#### Senior Citizen Reduced Tuition

Senior citizens 60 years of age or older may register each fall, spring or summer term for a maximum of two credit courses per term on the day after the final day of the regularly scheduled add/drop period, on a space-available basis if all prerequisites have been met. There is a fee payment of \$10 per credit hour, regardless of Florida residency status. A one-time application-processing fee of \$20 and a \$5 per term registration fee applies. The student activity fee, financial aid fee and capital outlay fee will not be charged.

Senior citizens will be expected to pay the one-time application fee and all regularly assessed special fees and registration fees for any courses in which they enroll.

#### DELINQUENT AND UNPAID ACCOUNTS

A fee of \$20 or five percent of the check, whichever is greater, is charged for returned checks. Any student who has a delinquent account shall be notified. If the delinquency is not cleared within the time period specified, the office of Student Services will inform the student that he/she has been placed on disciplinary probation, suspended from class attendance, subject to immediate suspension from College and have all academic records frozen until the account is cleared. Unpaid student accounts will be considered cause for cancellation of registration, graduation, granting of credit, or release of transcript.

#### EXAMINATION FEES

Variable fees are charged for some exams such as make-up exams. Students wishing to appeal these fees should contact the Testing Center coordinator at each location.

#### INDIVIDUAL PROGRAM COSTS

Individual program costs vary. In some programs, students must purchase approved uniforms and/or special kits as required.

#### LIBRARY FEES

If a book is lost, the student responsible must pay the acquisition price of that book. For an overdue book, the charge is 10 cents a day per school day, excluding weekends. Students will be charged up to the acquisition price of the book.

#### SPECIAL FEES

Special fees are assessed in addition to the basic fee schedule. Special fees may vary from campus to campus.

#### Applied Music Fees

All applied music courses require special fees. Applied music courses are numbered MV and may be MVB (Brass), MVK (Keyboard), MVP (Percussion), MVS (Strings), MVV (Voice) or MVW (Woodwinds).

#### Applied Music Fees

Class Instruction	Fee
2 hours weekly	\$40
<b>Private Instruction</b>	<b>Fee</b>
1 hour weekly,	
2 semester hrs credit, fall, spring terms	\$100
1-1 1/2 hrs. weekly	
1 semester hr. credit, spring, summer terms	\$50

#### Dental Hygiene Clinic

##### Adult (age 18 and older):

Prophylaxis & X-rays	\$35
Screening	\$5
Screening & X-rays	\$15
Sealants per tooth	\$2

##### Child (age 17 and under):

Prophylaxis & X-rays	\$15
Screening	\$2
Screening & X-rays	\$10
Sealants per tooth	\$2

##### Radiograph Duplication:

Mailed	\$6
Picked up	\$5

#### Liability Insurance Fee

Student Insurance Fee of \$25 is required in certain courses where the student is providing a service to the public and is payable once per academic year.

#### Short Course, Noncredit

Fees to cover the cost of instruction and materials for short courses, noncredit courses and workshops will be announced for each course offering. No refunds of \$10 or less will be made for workshops except for cancellations.

#### Television Courses and "Course in a Box"

All courses offered via television will have a special \$20 fee.

#### STUDENT FEE AUDIT

The College staff will conduct an audit of all fees collected at the close of each registration. In accordance with College policy, all students owing additional fees as a result of this audit will be required to pay them. Over collection of fees will be refunded.

#### TEST FEES

Test	Fees
Make-Up Tests	\$5
CAT/CLAST	\$30*
(computer version)	
CLAST pencil/paper version	\$20*
FCELPPT	\$15*
(A.A./A.S. degree placement test)	
Test of Adult Basic Education (TABE)	\$10*
Comprehensive English Language Test (CELST—If the candidate passes the CELST, the Phone Pass and FCELPPT are no charge.)	\$20*
Correspondence Test (per day, not per test)	\$20
College Level Examination Program (CLEP fee is per day)	\$12
National League for Nursing (NLN-Pre-Admission test)	\$10
National League for Nursing (NLN-Mobility or other tests)	\$15
Nursing Pro Calc Test	\$5
Challenge Tests—\$20 per credit hour; not to exceed	\$40
Distance Learning Tests	No Cost
Test for students with special needs	No Cost
Chemistry I Challenge Test	No Cost
Health Occupations Basic Entrance Test (HOBET)	\$25

*Note: All test fees are based on a per day charge. Students taking CELST, FCELPPT, CLAST and TABE must wait 30 days between retakes.*

#### TRANSCRIPT FEES

Transcript Fee	\$3
----------------	-----

Additional transcripts will not be issued until this fee is paid. There is no charge for an unofficial copy given to student.

#### Parking

All licensed vehicles, other than visitors, are required to have a parking decal or permit. Annual decals expire at the end of each summer term.

#### DECALS

Decals will be obtained at the Lake Worth or Palm Beach Gardens Security Office, Boca Raton Cashier Office or Belle Glade bookstore for the following amounts:

- Academic Year ..... \$10
- One Term ..... \$5

Parking permits are required for Career and Technical Education students as follows:

- (a) Less than seven weeks or workshops require a dashboard permit to be issued free of charge.
- (b) Students attending classes for terms lasting seven weeks or more are required to purchase a parking decal as priced below.

PBCC in Boca Raton is located on the campus of Florida Atlantic University; therefore, FAU parking rules apply. Detailed information is provided upon purchase of a decal at the Boca Raton Cashier's Office.

#### DECALS

Decal	Fees
Annual	\$10
Term	\$5
Replacement or additional vehicle	\$1

*\*Fees subject to change*

#### PARKING AND TRAFFIC FINES

Violation	Fees
Handicapped Space	\$25
Parking Offense	\$10
Unregistered Vehicle	\$10

#### CITATION APPEALS

Security officers can provide instructions on filing an appeal for citations.

## Refunds

The refund schedule is based upon the dates listed in the registration calendar that appears in the front of the catalog and in the student handbook.

Any student who officially withdraws from college or reduces his/her course load prior to the end of the published add/drop period is automatically refunded 100 percent of refundable fees after the session add/drop period has ended. No grade is recorded on the student's transcript.

The appropriate account is automatically refunded on a pro-rata basis in those cases where a first time-at-the-college Title IV financial aid student withdraws from all credit classes after the end of the published add/drop period but not beyond 60 percent of the term. A grade of W is recorded on the student's transcript and will not affect the student's GPA.

A student who has to withdraw or is dropped from a class due to a PBCC error or change or other PBCC action, after the published add/drop period, shall be refunded 100 percent of refundable fees upon the approval of the student's refund request. No grade or attempt is recorded on the student's record.

No other refunds are granted except in those cases where a student withdraws from classes due to a personal emergency beyond the student's control. Refunds may be granted for up to 60 percent of the term under these circumstances and will be computed on a pro-rata basis. A grade of W will be recorded on the student's transcript and will not affect the student's GPA.

### DOCUMENTATION REQUIRED

Supporting documentation MUST accompany refund requests based on a PBCC action or personal emergency. The following documentation is required:

- Death of Immediate Family Member- documentation of the death and the student's relationship to the deceased. Immediate family members are limited to spouse, child, parent and sibling.
- College Change or Error - a letter from the appropriate College official documenting the situation in which the College was in error or initiated an action that caused the student to have to withdraw.
- Employment - a letter on company stationery indicating that the student's employer changed his/her work schedule and that this change prevents the student from completing the term.
- Medical - a letter from the student's physician or health care agency specifically indicating an illness of such severity or duration that the student cannot continue in a course(s). The letter must include dates of the illness and treatment.

### PROCESS

The refund-request process takes approximately four weeks. If the student is no longer attending, it is the student's responsibility to withdraw from the course(s). Submitting a refund form does not officially withdraw a student from a class or the College.

Decisions will be based on the documentation provided. Students will be notified in writing of the Refund Appeals Committee's decision. If approved, a refund check will be mailed from the refund office to the address listed on the Registrar's Office computer record or the student's financial aid account will be credited.

Refund requests received after the last day of the academic term of the request will not be considered except in cases of extreme circumstances or College error as determined by the Refund Appeals Committee.

### REFUND EXCEPTIONS

#### Music, Special Fees

No refund is allowed unless the student is subsequently found to be ineligible by the College for the class.

#### Physical Education, Special Fees

Some of these fees are held in trust for the vendor, and a 100 percent refund for withdrawal from these courses can be made, based upon the same criteria as the refund of regular tuition fees for the class.

## Tax Credits

Under the provisions of the 1997 Taxpayer Relief Act, the "HOPE Scholarship" was established for education-related expenses paid after January 1, 1998. The tax credit applied to a student's first two years of college and eligibility is based on a family's income level. There are also tax credits for lifelong learning and some student loans' interest. For further information on educational tax credits, please contact a tax advisor or the Internal Revenue Service.



## STUDENT SERVICES/STUDENT LIFE

Palm Beach Community College strives to provide broad opportunities for the intellectual and cultural development of students in an atmosphere of order and respect. Student Services works in partnership with Academic Affairs and other components of the College in developing programs and activities to meet this end. Various student services are available on each campus, with the vice president of student services giving College-wide leadership and direction in this area.

One condition of enrollment at the College is that the student follows the Student Code of Conduct, as listed in the student handbook. The vice president of student services, College registrar, and campus provosts, with the assistance of the deans of student services and other college personnel, are responsible for interpreting and enforcing school policies, rules and regulations that apply to students.

## Academic Advisement

At the Lake Worth location, associate in arts (A.A.) and post secondary adult vocational (PSAV) students are advised by Student Services academic advisors. Associate in applied science (A.A.S.) and associate in science (A.S.) students are advised by program advisors. At other college locations, Student Services counselors, advisors and program managers advise students in all programs. Students should maintain contact with academic advisors to be certain they are taking the courses necessary to complete a program, graduate, or transfer to their preferred university. Students assume ultimate responsibility for course selection.

## Career Planning & Job Placement

There are career services available at each location where students can visit for an introduction and orientation to career resources. These resources include career counseling and advisement, computerized career guidance programs, personality inventories and a career library documenting current trends in employment markets. Students receive personalized information about their interests, abilities and values relating to occupations and educational programs.

Employment services are available to students and rising graduates including job searching, interviewing and resume writing assistance. Employment counseling, workshops, audio-visual aids, computer and pamphlet resources are used to develop effective job search techniques. Students can identify part-time and full-time employment opportunities through online job listings, on-campus recruiting and annual job fairs.

Credit classes in career development and job searching are available to students:

- SLS 1300- Career Self-Assessment- 1 credit
- SLS 1301- Career Development- 3 credits
- SLS 1302- Career Information and Decision Making- 1 credit
- SLS 1303- Job Search- 1 credit

Centers can be accessed at <http://www.pbcc.cc.fl.us/student/career>. Enrollment in the PBCC On-line Career Office program gives students access to the virtual career center 24 hours a day. This online career service contains thousands of resources to assist students in career exploration, locating employment opportunities, and talking with local mentors in various careers through the Career

Consultants Network. Students seeking individual assistance with career planning or job searching are encouraged to make an appointment with a career specialist at the location of their choice.

### ELIGIBILITY TO USE THE CAREER CENTERS

To use Career Center services, persons must meet one of the following criteria:

- Currently enrolled students in degree, certificate/PSAV programs, credit classes, noncredit professional development courses (i.e., insurance, real estate, security guard) and Crossroads program students.
- Graduates of PBCC programs.
- Prospective student\* with applications and the appropriate test scores (FCELPT or TABE) on file.

*Note: Transfer students with appropriate test scores on file from previous institutions must pay the application fee in order to establish their eligibility.*

*\*If a prospective student does not enroll in the next upcoming term or session, the Community Career Center fee will be required.*

### SERVICES FOR NON-PBCC-STUDENTS

Non-PBCC students have two options to be eligible to use the Centers:

1. Complete an Academic Application and pay the \$20 application fee. (There is no application fee for PSAV applications.)
2. Enroll in the Community Career Center program and pay \$20 fee.

Use of resources in the Center is allowed for the term or session in which the person enrolls with one orientation/tour and one consultation with a counselor/advisor.

## Disability Support Services

Palm Beach Community College is committed to providing full access to all programs, services and facilities for qualified individuals with disabilities as mandated by Section 504 of the Rehabilitation Act of 1973 and by the Americans with Disabilities Act of 1990. Services and accommodations are not automatic. It is the responsibility of the student or prospective student to notify the Disability Support Services (DSS) Office at his/her individual campus of the need for modifications and to provide appropriate written verification by a qualified professional in support of the disability claim. Services cannot be authorized until the documentation has been verified and the student has officially registered with the DSS Office. This voluntary self-declaration procedure is independent from the admissions process itself, and all disability records are treated as confidential and kept separately in the DSS Office.

Students with disabilities are, therefore, encouraged to meet with the disability service representative at their campus before registration. This advisor will assist with course selection and accommodation needs and also will coordinate other campus resources to best meet the educational needs of students with disabilities.





## ACADEMIC SUPPORT AND OPPORTUNITIES

### Career and Technical Education (CTE)

CTE is a multi-campus division of educational and related services including noncredit and credit programs, courses and projects. CTE offers the following educational opportunities in career preparation, continuing workforce education and personal enrichment.

#### CENTER FOR BUSINESS AND INDUSTRY

High quality, low-cost training programs and courses are available to the business community. Courses/programs may be customized to the needs of business and industry with scheduled times and sites that are convenient. Seminars, workshops, teleconferences and other services also may be arranged. For more information on business and industry training, contact the vice president of workforce development, (561) 439-8298.

#### CENTER FOR HEALTH STUDIES

Courses are available for certified or licensed health-care professionals in a flexibly scheduled format. Curriculum is focused on providing participants with the knowledge needed to remain current in their discipline areas as well as encouraging multi-skilling for increased employment flexibility within the health care system. Approval of continuing education credits needed for renewal of professional licenses or certification is granted within the guidelines of the Agency for Health Care Administration, Division of Medical Quality Assurance, Certification Board of Addiction Professionals of Florida, State Department of Health and the Department of Business and Professional Regulation.

Continuing Workforce Education courses are also available for persons working in health care careers. Vocational training integrates both didactic and applied learning principles providing the participant a mechanism to practice and refine job skills. Programs in this area are structured within the guidelines established by the state and voluntary professional certification boards. Customized training is available to meet the special needs of health care organizations.

#### CENTER FOR INSURANCE EDUCATION

The Center for Insurance Education provides entry-level license preparation courses for the Property and Casualty/General Lines Agent (2-20 License), Limited Customer Representative (4-42 License), Life, Health and Variable Annuities (2-15 License) and Title Agent. Course work is approved by the Florida Department of Insurance. The Center also schedules continuing education for licensed agents and is approved by the Florida Department of Insurance for license renewal.

#### CHILD CARE

Child care courses to meet entry-level job preparation include the Department of Children and Families required certification course (40 hours) and individual 10-hour components: Child Care First Aid/CPR, Child Development Associate (CDA) Program and Child Care Center Management for the Foundational Level coursework for the Florida Administrator Credential.

#### CHILDREN FIRST

This is a court-mandated program for those couples seeking a divorce who have children under the age of 18.

#### COMPUTER AND OFFICE TECHNOLOGY

A series of short continuing workforce education courses and workshops are offered for adults adding an occupational skill or enhancing personal skills for operating personal computers. Hands-on training on microcomputers with the latest in word processing, data entry, electronic spreadsheets, database management and desktop publishing is available. CISCO AS400 training, programming courses, MCSE, CNE and A+ Certification are also available.

#### EMERGENCY MEDICAL SERVICES AND FIRE SCIENCE PROGRAMS

Emergency medical services courses assist health professionals in maintaining current professional licensure. A diverse curriculum for physicians, nurses, EMTs and paramedics is offered. Course offerings include ACLS, BTLS, BLS, PALS, Paramedic Refresher, Emergency Medical Dispatch and EMS telecourses. Fire inspector continuing education courses are also available.

#### FLORIDA INSTITUTE OF GOVERNMENT

The Florida Institute of Government (FIOG) is a professional partner of Palm Beach County public sector and nonprofit organizations in meeting the increasing challenges of providing excellent quality, service and productivity to their citizens and clients.

The FIOG offers a wide variety of programs and services such as:

- Open training workshops and seminars
- Customized training programs
- Executive consulting services
- Special interest forums and conferences.

Activities include professional development series for managers, supervisors, nonsupervisory professionals and administrative support staff; public policy forums; strategic planning sessions; council-manager team building programs; the Institute for Elected Municipal Officials; and a variety of customized assistance to various organizations.

All services are available at the four college sites or may be contracted and delivered onsite at the organization requesting training.

#### INSTITUTE OF NEW DIMENSIONS

The Institute of New Dimensions, located at Lake Worth and Palm Beach Gardens, is dedicated to exploring educational and cultural opportunities for adults, especially retirees, through courses, seminars, forums, field trips and lectures. It is a cooperative venture by volunteers from the theater and the scientific and professional arenas to bring intellectual enrichment to the community. For more information, call (561) 439-8186.

#### INSURANCE EDUCATION

This program provides entry-level license preparation courses for the Property and Casualty/General Lines Agent (2.20) license, Limited

Customer Representative (4.42) license, Life/Health and Variable Annuities (2.15) license and Title Agent. Course work is approved by the Florida Department of Insurance. Continuing Education courses for licensed agents are also offered. The CE courses are approved by the Florida Department of Insurance.

#### LEARNING UNLIMITED

This program offers short-term, noncredit courses addressing life-long learning, lifestyles and personal enrichment, and recreation and leisure.

#### MONTESORI TEACHER TRAINING

Three levels of Continuing Workforce Education Montessori training are offered:

- Early Childhood (age 2 1/2 - 6)
- Elementary I (age 6-9)
- Elementary II (age 9-12)

Early Childhood is a combination credit and noncredit program. Elementary I and II are entirely noncredit programs. Students entering all of these programs must hold a minimum of a bachelor's degree from an accredited institution in order to be eligible for a national credential by the American Montessori Society (AMS). The degree need not be in education. The Early Childhood and Elementary I Continuing Workforce Education (noncredit) programs are accredited by the AMS. The majority of the elementary courses are offered during the summer term (usually June-August) with some weekend classes during the fall and spring terms. For further information, call (561) 439-8046 or (561) 439-8161.

#### MORTGAGE BROKER TRAINING

This program provides training for an entry-level position as an associate for licensed mortgage broker businesses or any lender licensed under Chapter 494 of Florida Statutes. Topics covered in this state-required 24-hour course are as follows: state and federal mortgage broker laws and mortgage principles, rules and regulations, and primary and subordinate financing transactions.

#### REAL ESTATE LICENSURE, POST LICENSURE AND CONTINUING WORKFORCE EDUCATION

Courses are offered for real estate sales agent licensure, brokers licensure and certified appraiser. Post-licensure education for sales agents is a 45-hour classroom course that includes subjects specified by Florida statute. Post-licensure 45-hour classroom courses are training oriented and build on the academic knowledge acquired during pre-licensure training. All courses emphasize skills necessary for licensees to operate effectively. A 14-hour continuing workforce education course approved by the Florida Real Estate Commission that satisfies the requirement for real estate license renewal is offered.

#### SECURITY OFFICER

A curriculum to prepare for a Class "D" license as a security officer is approved by the state of Florida and offered frequently.

#### SIGN LANGUAGE

PBCC offers five levels of American Sign Language for the purpose of training professionals to become certified interpreters. Students are assessed the first evening of class to determine the appropriate

level of instruction.

#### STOCKBROKER/SERIES 7

This program provides entry-level license preparation for a Series 7 Stockbroker position and readiness for the National Association of Securities Dealers (NASD) exam. The Series 7 license allows individuals to sell a wide variety of investment products including stocks, bonds and mutual funds, as well as securities and currency options.

#### WOMEN'S CENTER PROGRAMS

Women's Center programs include two ongoing grant-funded programs that follow:

#### Crossroads

This career redirection program is for displaced homemakers, women who are separated, divorced or widowed, or whose spouses are disabled. Workshops enable participants to build self confidence, set career goals, develop pre-employment/pre-enrollment skills and locate community resources to make the transition into job training or employment. Individual counseling, guided group discussions and liaisons with Palm Beach County agencies and services are key elements of the success of this program.

#### Connections

This program for single parents provides vocational assessment and guidance, campus and community referral, limited financial aid assistance and a textbook lending library. The focus of this program is to assist single parents enrolled in degree and certificate programs to successfully complete their education to become financially self-supporting.

## Center For Personalized Instruction

The CPI offers educational development to both day and evening students. Individualized instruction in selected credit courses and college preparatory courses in reading, English and mathematics are available. CPI courses combine lecture, individualized instruction and multimedia assisted instruction to deliver a curriculum that meets the specific learning needs of each student. Flexible class scheduling on a "To Be Arranged" (TBA) basis, as an alternative to the traditional classroom, is available at several campuses.

In addition to courses, CPI academic support and learning assistance services include tutoring, Supplemental Instruction (SI) and videos and computer software that correlate with many PBCC courses. Review materials for standardized tests such as the CPT, CLAST and TABE are available.

All students have access to CPI services. Vocational Preparatory Instruction (VPI) is also available. Please contact the CPI on each campus for more information.

## Cooperative Education

Cooperative education (co-op) is a nationally recognized academic program combining on-campus study with work-related experience in area business, industry or governmental agencies. It is based on the principle that learning is not confined to classroom achievement and is equally dependent upon experiential opportunities.

As a co-op student you can:

1. Earn academic credit
2. Gain practical experience and job knowledge
3. Test your career decision
4. Make valuable contacts in your professional field
5. Earn income through work in your chosen field of study.

#### ELIGIBILITY

Students who have completed one full-time semester or at least 12 credit hours are eligible to enter the co-op program, provided they have a minimum cumulative grade point average of 2.0 and are in good academic standing. Participating students must be willing to develop a cooperative education position related to their major fields of study.

#### OPERATIONS

Co-op participation may be part time, full time, paid or unpaid work experience providing entry-level, intermediate or advanced training. Current employment may meet the program requirements with modified or enhanced duties in cooperation with the employer. The work experience is coordinated with on-campus study. Students may earn up to six academic credits usable as elective credits, added credits or to meet the curriculum requirements in designated programs. Students should consult with an academic advisor regarding the transferability of co-op credits in programs offered by upper-division colleges and universities.

#### ENROLLMENT

Co-op education varies across the district, using a common core of required student activities. For specific information regarding enrollment requirements and student activities, contact the appropriate campus listed below:

Belle Glade	(561) 996-3055
Boca Raton	(561) 367-4561
Lake Worth	(561) 439-8050
Palm Beach Gardens	(561) 625-2560

## Distance Learning

Distance Learning classes provide increased student access through alternative education delivery systems and flexibility of time and location. They promote the integration of technology in the learning environment and the globalization of education through electronic access to information and experts worldwide. These courses use multiple learning environments, such as the Internet, television and videoconferencing. Some courses will combine a variety of these environments in the instruction. The chief difference between face-to-face courses and distance learning courses is in the type of course delivery. Course materials may be on videotapes or online, or the instructor may broadcast from another site rather than be in the same classroom with the student. Students may contact their instructors and other classmates via telephone, e-mail, chat rooms, bulletin boards, Fax or sometimes through on-campus meetings.

These courses have the same educational objectives as face-to-face classes, are fully accredited and appear on a student's transcript like a face-to-face class. Some PBCC courses may require an additional course fee. The class schedule should be consulted.

For more information about distance learning, check the Web site at <http://www.pbcc.cc.fl.us/dl> or send an email to [learn@pbcc.cc.fl.us](mailto:learn@pbcc.cc.fl.us).

#### WHO SHOULD TAKE A DISTANCE LEARNING CLASS?

Successful students need to be highly motivated, have good study skills and use time management skills effectively. They must be willing to contact their instructor for assistance when needed and be responsible for completing assignments on time and without reminders. Before students register for a distance learning class the first time, they should visit the distance learning Web site and contact an academic advisor for assistance.

#### SUPPORT SERVICES FOR DISTANCE LEARNING STUDENTS

Students registered in distance learning courses receive the same support services as on-campus students. These services include registration, advising, financial aid, disabled student services, bookstore services, library services and Testing Center services, as well as many others. A list of support services is available on the distance learning Web site.

#### INTERNET COURSES

Internet classes offer a world of resources to students who have Internet access. These classes provide some of the materials in an anytime anywhere mode. Students can keep in touch with the instructor and other students by using the communication tools of the Internet.

Internet courses are organized into these following categories:

1. Pure Internet courses are taken entirely over the Internet. On-campus time is NOT required. Some instructors may request an on-campus orientation meeting or testing.
2. Internet Option courses give the student the option of attending the face-to-face class or completing some or all of the work on the Internet. Some instructors may request an on-campus orientation or testing.
3. Internet Component courses require attendance in a face-to-face classroom in conjunction with activities involving the use of the Internet.
4. Tele-Web classes utilize the video lessons from the television classes that are combined with an Internet component to create this type of course. There may be some face-to-face requirements.

#### TELEVISION COURSES

Television courses offer convenience and flexibility in class scheduling. Students can watch videos, complete readings and do assignments in the home or workplace. Many times, students learn by watching. These video programs offer the students an opportunity to watch a biological experiment or a demonstration of a statistical analysis or perhaps listen to a panel discussion of geological experts. You can watch these videos as often as needed and review and correct assignments before they are due. These courses use videotapes, textbooks, study guides and other elements as the basic study materials for the course. On-campus attendance may be required for meetings and testing.

Television courses have options that include:

1. "Course-in-a-Box" classes, a set of prerecorded videotapes that are checked out to enrolled students for the term of the course.

These videos are mailed to the student's home and must be returned at the end of the term.

2. Telecourses broadcast on the local PBS station, WXEL, at a scheduled time of day. Students also have the option of viewing the video lessons at one of the Media Services and/or PBCC Library Learning Resource Center locations.

#### VIDEOCONFERENCING COURSES

Videoconferencing courses give the student the ability to take a course at one of PBCC's convenient locations. Each course is taught by an instructor at one location and transmitted to the other locations. The instructor interacts "live" with the students at the other locations via a two-way video and audio system. Instructional materials are available at each location for each enrolled student. For more information about distance learning, visit the Distance Learning web site at <http://www.pbcc.cc.fl.us/dl> or send an email to [learn@pbcc.cc.fl.us](mailto:learn@pbcc.cc.fl.us).

## English as a Second Language

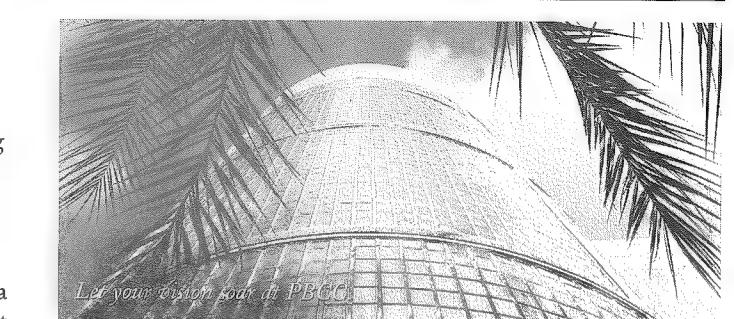
Palm Beach Community College offers three levels each of reading and English courses and two levels of speaking and listening courses. These courses combine lecture and lab components to meet the specific needs of each student. Students are placed into the appropriate level based on CELT and FCELP scores. Academic support is provided through tutoring, audio and video technology and interactive computer software in the Center for Personalized Instruction (CPI) at each location. Students successfully completing their required ESL courses may proceed with registration in Gordon Rule courses.

## Honors

Honors activities at Palm Beach Community College are designed for the student who enjoys advanced level studies. Participatory classroom styles, along with opportunities for independent study, encourage students to communicate effectively in both written and oral presentations.

PBCC offers three Honors credit choices: Honors courses, Honors sections and Honors projects. Honors courses and sections offer class experiences that are interactive and holistic. These classes integrate mentoring, field experiences, travel, seminars and guest speakers into course work and encourage extensive reading and the development of analytical course work. Honors projects involve instructors meeting with students first to determine topics and then throughout the term to receive updates and to give guidance and advice on project development.

Honors graduation requirements are listed in the Academic Policies section - Graduation Requirements. To discover more about PBCC's Honors activities, visit the Honors Web site <http://www.pbcc.cc.fl.us/honors> or call the Office of Instruction and Academic Programs at (561) 367-4561.



## International Field Trip Study and Summer School

International field trip study and summer school courses vary from year to year, based on interest and demand. In the past, students have studied in Central and South America, China and England. For more information on current offerings, contact an advisor or the Office of Instruction and Academic Programs, or visit our International Education Web site at <http://www.pbcc.cc.fl.us/internat>.

## Library Learning Resource Center (LLRC)

The LLRC offers print and non-print materials at all four locations. The Boca Raton campus library service is a joint-use agreement with Florida Atlantic University. LLRC provides resources and services for both students and faculty. Professional librarians, technicians and specialists provide individual instruction. Group-orientation sessions provide information on library and media services. Success in achieving instructional objectives depends on access to information. Electronic access to library materials is now available via online and CD-ROM technology including the Library Information Network for Community Colleges (LINCC).

## Young People's Programs

#### SUMMER BAND CAMP

Developed by the PBCC music department and area school band directors developed this program. Summer band camp provides three weeks of intensive training for middle and high school students at the Lake Worth location.

#### SUMMER YOUTH COLLEGE

The Summer Youth College is offered at the Boca Raton location for children ages 8 - 14 during six weeks in the summer. This program offers courses that meet once a week for six weeks. Each child signs up for classes just as they would in college. Classes include fun topics, such as foreign languages, various sports, science, math and geography classes, the arts and hobbies, life skills and computer courses.

#### TEEN SUMMER THEATRE PROGRAM

The Teen Summer Theatre program provides training in acting movement, voice/diction and technical theatre for ages 13-18 using the professional facilities of the Eissey Campus Theatre in Palm Beach Gardens. This hands-on program, limited to 16 students, is team taught by two theater professionals.



## ACADEMIC POLICIES

### Academic Progress

Palm Beach Community College requires each student to maintain reasonable academic progress. Any student not maintaining the following standards of progress will be placed on academic probation. Financial aid students should also see Standards of Academic Progress for Financial Aid Program Participation in this catalog.

#### ACADEMIC STANDARDS OF PROGRESS

Students must maintain a cumulative grade point average (GPA) of:

- \* 1.4 or better for 1-14 semester hours attempted
- \* 1.6 or better for 15-27 semester hours attempted
- \* 1.8 or better for 28-45 semester hours attempted
- \* 2.0 or better for over 45 semester hours attempted.

Probation will be continued as long as the student fails to achieve the standard set for the number of hours attempted. Students on academic probation are encouraged to meet with an academic advisor/counselor. Probation will be calculated at the end of each term. (Both summer sessions will be considered one term.)

Any student on academic probation will be limited in course load to a maximum of 12 semester hours during the fall, spring and summer terms. A committee on probation will be appointed by the College President to hear any appeal cases.

#### ACADEMIC SUSPENSION OR EXCLUSION

PBCC does not suspend or exclude students for academic reasons, unless dictated by the conditions of their admission.

## Academic Recognition

#### PRESIDENT'S LIST

At the end of the fall and spring terms, any student carrying a full academic load (excluding institutional credit) and earning a grade point average of 3.8 or higher will be placed on the President's List. At the end of spring term, any part-time student who has accumulated 12 or more semester hours credit during the combined fall and spring terms with a grade point average of 3.8 or higher will be placed on the President's List. Only credits earned at Palm Beach Community College will be considered in the calculations.

#### DEAN'S LIST

At the end of fall and spring terms, any student carrying a full academic load (excluding institutional credit) and earning a grade point average of 3.20 to 3.79 will be placed on the Dean's List. At the end of spring term, any part-time student who has accumulated 12 or more semester hours credit during the combined fall and spring terms with a grade point average of 3.20 to 3.79 will be placed on the Dean's List. Only credits earned at Palm Beach Community College will be considered in the calculations.

## Attendance

#### CLASS ATTENDANCE

Students are expected to attend all classes and activities for courses in which registered. Any class meeting missed, regardless of cause, reduces the opportunity for learning and may adversely affect a student's achievement in the course. Class attendance policies are set by individual instructors and/or departments. An accurate record of attendance will be kept for each class. Students are expected to adhere to the policies set by each instructor.

Students, when officially representing the College, such as on a field trip, shall not be counted absent, provided their instructors are given prior notification and any missed assignments are subsequently completed to each instructor's satisfaction.

Students will be granted excused absences in the case of a substantiated emergency such as a confining illness, a serious accident or the death of an immediate relative. Instructors decide on the validity of the excuses and provide opportunities for students to complete any required make-up work. Students are responsible for immediately informing their instructors when they must miss class sessions for emergencies.

#### EXAMINATION ABSENCE

Absence for an announced examination will count as a failure on that examination unless it was for an emergency excused by the instructor and a make-up examination is taken later. In the event that the student disagrees with the determination of the instructor, the academic grievance procedure will be followed.

A student who fails to make arrangements within five days after returning to class loses make-up privileges, and the instructor determines the resulting grade. If the absence occurs at the end of a term, the make-up examination must be taken within 30 calendar days after the first scheduled day of classes in the subsequent fall or spring term. It is the responsibility of the student to contact the instructor for permission to make up the test. Failure to do so will result in an "F" for the examination.

Contact the Student Services Office on the respective campus for further information or see the Palm Beach Community College Student Handbook.

## Audit and Withdrawal Policies

Official withdrawal or audit forms should be filed with the Registrar's Office by the audit/withdrawal deadline. Deadlines are published in the catalog. Normally, these dates are the end of the 10th week of the fall and spring terms and the end of the fourth week of each of the summer sessions. In cases of non-standard beginning or ending dates, the audit deadline is at the end of 65 percent of the course session. Students with questions about audit and withdrawal deadlines should contact their academic advisor or instructor.

During the fall and spring terms, international students are required to be enrolled full time in courses for which they will receive grades. International students must get authorization from the international student counselor before auditing or withdrawing from a class.

#### AUDIT

A student may be admitted to certain courses on an audit basis with the completed request form. Students are not permitted to audit college preparatory courses or courses under a selected admission program. Courses taken by a high school dual-enrolled student may not be audited. Students auditing a course must attend class, but they are not required to take tests and examinations. No audit students may change their registration to seek credit in any course in which they are enrolled. Prerequisites, tuition and all special fees apply.

An instructor may withdraw an audit student (XW) for non-attendance. A student may not audit a course in which he or she received a grade of C or higher.

Students may change to audit by submitting the required form to the Registrar's Office prior to the deadline.

#### INSTRUCTOR WITHDRAWALS

Instructors may give a non-punitive WX grade for excessive absences for up to 65 percent of the course session. No WX grades shall be given after 65 percent of the course has elapsed. Instructors may also give a punitive (F, N, or U) grade for excessive absences, as defined in their syllabi, up to the end of the term.

Courses taken for audit are subject to the same attendance criteria; however, instructors may assign a grade of XW for excessive absences at any time throughout the term. Note: Upon the third attempt of a credit course, a withdrawal (student or instructor) will not be permitted and the student will receive a grade for the course.

#### STUDENT WITHDRAWALS

Students who withdraw from a course will receive a grade of W on their transcript. There is no refund for withdrawals submitted after the add/drop deadline. (See the calendar in this catalog for deadlines.) Students considering withdrawing from any course are strongly encouraged to speak with an academic advisor to discuss any impact that a withdrawal may have financially or academically.

A student may not withdraw from a PSAV course that meets less than two times. Contact the Registrar's Office for the withdrawal deadline for each PSAV course. Courses taken in fall 1997 or later will be permitted a maximum of two withdrawals per course.

*Note: Upon the third attempt, the student will not be permitted to withdraw and will receive a grade for that course.*

## College Level Academic Skills Test (CLAST)

The CLAST is designed to test the communication and computation skills that are judged by state university and community college faculty to be generally associated with successful performance and progression through the baccalaureate level. Florida statutes and the State Board of Education mandate the test for all students seeking an A.A. degree.

#### ELIGIBILITY

Students seeking associate in arts or baccalaureate degrees are eligible to register for the CLAST provided the following criteria have been met:

1. Satisfactory completion of at least 18 semester hours of college level course work
2. Completion of the A.A. General Education requirements in English composition and Gordon Rule mathematics.

All students completing associate in arts, associate in applied sciences and associate in science degree programs who are seeking admission to upper-division programs in a state university in Florida, as well as university students who are completing their sophomore year, must take this test. Students who do not take and pass this test will not be awarded the associate in arts degree. Admission to a state university may be afforded students who do not meet the minimum standard in only one part of this four-part exam.

The CLAST requirements also apply to students transferring to state universities in Florida from private colleges in Florida and from out-of-state colleges. All students graduating after August 1, 1984, must meet the standard scores established by the State Board of Education (See Table 6-1).

Table 6-1

CLAST Requirements				
Dates	Reading	Writing	Computation	Essay
8/1/84	260	265	260	4
8/1/86 to 7/31/89	270	270	275	4
8/1/89 to 9/30/91	295	295	285	4
10/1/91 to 9/30/92	295	295	290	5
10/1/92 and thereafter	295	295	295	6

#### EXEMPTIONS

Beginning January 1, 1996, students who have achieved passing scores on the FCELPPT and have a cumulative GPA of 2.5 in the A.A. General Education requirements in English composition and Gordon Rule mathematics as identified by the Florida Postsecondary Education Planning Commission may be exempt from some or all of the CLAST requirements. Students may also be exempt based on SAT or ACT scores. Contact the Testing Center for additional exemption eligibility requirements.

#### RETAKES

Students may not retake any subtest of the CLAST for which they already have a passing score. Students must wait 30 days between retakes. CLAST review courses and tutoring services are available. Contact the Testing Center for more information.

## College Preparatory Course Requirements

Palm Beach Community College provides a comprehensive college preparatory program in English, reading and mathematics for students who require assistance in preparation for college level courses

in these areas. The requirements listed below are to prepare each student for success in college level courses.

- Students who test into the college preparatory program shall begin taking college preparatory courses during their first 12 semester hours of credit course work at the College and must continue to enroll in college preparatory courses until all preparatory requirements are completed.
- Students who test into college preparatory English or reading cannot enroll in any Gordon Rule writing course until all preparatory course(s) in the respective areas have been successfully completed. Those who test into college preparatory mathematics cannot enroll in any course for which mathematics is a prerequisite.
- Students who test into preparatory English and/or reading courses must also take the co-requisite course Strategies for College Success (SLS 1501).
- Students whose primary language is not English, and who test into preparatory reading and/or English, are required to take ESL preparatory courses.
- Students currently enrolled in a college preparatory course may not attempt to test out of that area after add/drop. Students must wait 30 days before retesting in a subject area.
- College preparatory courses shall be graded Pass (P) or Not Pass (N) and will be three contact hours per week. Three institutional credits will be granted for each course successfully completed. Institutional credits are not used for graduation or grade point average calculations, but they are used towards assessing full-time academic status.
- College preparatory courses (ENC 0001 College Preparatory English I, ENC 0010 College Preparatory English II, MAT 0012 Basic Algebra I, MAT 0020 Basic Algebra II, REA 0001 College Preparatory Reading I, REA 0010 College Preparatory Reading II, ESL 0001 Speaking & Listening I, ESL 0002 Speaking & Listening II, ESL 0020 ESL Reading I, ESL 0021 ESL Reading II, ESL 0121 ESL Reading III, ESL 0040 ESL English I, ESL 0041 ESL English II, ESL 0181 ESL English III) and their corequisites, if indicated through placement testing, must be completed in addition to all course requirements in the program the student chooses.

*Note: In the Testing Centers, students may find a list of tutorial services that assist students with the FCELP. These services are provided as an alternative remedial option to traditional courses; however, upon completion, students still must score satisfactorily on the FCELP in order to place out of college preparatory courses.*

## Freshmen and Sophomore Classification

A student is considered a sophomore when the student has completed 24 semester hours of credit, regardless of the number of terms the student has been in attendance. Until 24 hours of credit are completed, the student is a freshman.

## Full-Time Student

A student is considered a full-time student when enrolled in 12 or more semester hours of credit or 360 clock hours. Although audit and preparatory courses carry no credit, they are counted toward the stu-

dent's enrollment status. When determining a student's enrollment status for Selective Service deferment or Veterans Administration benefits, noncredit and preparatory courses cannot be counted, but must be taken in addition to the required number of credit hours. Institutional credits (i.e., college preparatory classes) are included when determining a student's enrollment status.

*Note: Enrollment status may be defined differently for financial aid recipients.*

## Grades

### GRADE CHANGE PROCEDURE

An instructor's change of grade (other than incomplete grades) for a course taught in the fall term should be completed before the end of the following spring term. Any grade changes for classes taught in the spring term or either of the summer sessions must be completed before the end of the following fall term.

### GRADE FORGIVENESS POLICY

Only courses for which a grade of D or F was earned or withdrawals may be repeated. The last grade received will be used to calculate the grade point average (GPA). All grades from the third and subsequent attempts will be calculated in the GPA.

The Forgiveness Policy pertains only up to the time of the awarding of degree and does not extend beyond that time. No challenge examination (institutional, CLEP, AP, IB, etc.) may be used to forgive a grade. Institutions to which subsequent transfer is made may not necessarily honor this policy.

### GRADE POINT AVERAGE (GPA)

The cumulative GPA is determined by dividing the total quality points earned by the total semester hours attempted (including all transfer credit). Quality points are assigned as follows: A, 4 quality points per credit hour; B, 3 quality points per credit hour; C, 2 quality points per credit hour; and D, 1 quality point per credit hour. Only the last attempt of a repeated course will be used in computing the grade point average (except for the fourth attempts and beyond that will be averaged); however, all grades appear on the student's transcript. The PBCC grade point average is determined by dividing the total quality points earned at PBCC by the total semester hours attempted at PBCC. The term grade point average is determined by dividing the total quality points earned during a term by the total semester hours attempted during that term.

### GRADE REPORTS

Grade reports are not mailed to students. Students may access grades via PantherLine (561)434-5046, PantherWeb - www.pbcc.cc.fl.us, or FACTS - www.facts.org, using their PBCC Personal Identification Number (PIN). Students who do not know their PIN may obtain it from the Admissions Office after presenting photo identification.

### GRADING SYSTEM FOR CREDIT COURSES

A.....Excellent	I.....Incomplete
B.....Good	W.....Withdrawn
C.....Fair	X.....Audit
D.....Poor but Passing	NC....Non-credit Course
F.....Failure	WX..Withdrawn for Excessive Absences
L.....Instructor Grade Late	XW..Withdrawn for Excessive Absences from Audit Cour
N.....No Pass*	
P.....Pass	

\* Considered In Progress

### GRADING SYSTEM FOR VOCATIONAL AND NONCREDIT COURSES

Exceptions will be noted in program documentation.

### PSAV (Vocational) Grades

S .....	Satisfactory *
U .....	Unsatisfactory
I .....	Incomplete
W.....	Withdrawn
WX ..	Withdrawn for Excessive Absences*

\* These grades are also used for continuing workforce education (CWE) courses.

Most avocational classes, including Learning Unlimited classes, will be assigned a grade of NG unless the course requires a record of attendance. In those cases where an NG is not the grade, an S or WX will be issued.

### INCOMPLETE GRADES

Incomplete grades are automatically changed to grades of F for credit courses, or grades of U for PSAV courses, if not made up within 30 calendar days after classes begin in the subsequent fall or spring term. It is the student's responsibility to complete all assignments and submit them to the instructor.

### REPEATED COURSES AND ACADEMIC AVERAGE

Effective fall 1997, only courses for which a grade of D or F was earned or withdrawals may be repeated. A student may not audit a course in which a grade of C or higher was received. A student will be permitted a maximum of three attempts per course. Attempts include the original grade, repeats of course grades, and withdrawals (student or instructor). Upon the third attempt of a course, a withdrawal will not be permitted and the student will receive the grade earned. This grade will be used in quality point average computation. Effective fall 1997 or later, students may have only three attempts per course which includes the original grade, repeat grades and withdrawals at any point in the semester. All grades from the third and subsequent attempts will be calculated in the grade point average. A fourth attempt may be allowed only through the academic appeals process based on major extenuating circumstances.

*Note: Students will be assessed the full cost of instruction (out-of-state tuition), beginning with the third attempt for college preparatory and credit courses.*

## Graduation

All students, without regard to the degree to be granted, must meet general requirements for graduation from Palm Beach Community College. Final responsibility for meeting the requirements for graduation rests with the student.

### CATALOG IN EFFECT FOR GRADUATION POLICY

Effective for students who enter or readmit Fall 2000:

Students who have maintained continuous enrollment have the option of graduating under the catalog in effect at the time they enter the College or any catalog in effect during the student's continuous enrollment, as long as the catalog chosen is not more than 5 years old. Continuous enrollment may be maintained by enrollment in one credit or PSAV course for a minimum of one term per academic year.



Students learn at their own pace in the Centers for Personalized Instruction

If students choose a new catalog, all requirements from the new catalog must be met for graduation. If continuous enrollment is maintained for a period of more than five years, the catalog five years previous will be chosen for them, unless students specify otherwise. If attendance is interrupted by 12 months, students must graduate under the catalog in effect when they are readmitted or any future catalog within five years of the date of graduation (as in above statement). The College does not guarantee that courses will always be available. Some courses or programs may be discontinued. The College reserves the right to change the curriculum as necessary.

*Note: Students must graduate under the program requirements in effect the term they enter a limited access program.*

### GRADUATION CEREMONY - COMMENCEMENT

Participation in commencement exercises is expected of all A.A., A.S. and A.A.S. students who are eligible for graduation. Commencement is held at the end of each fall and spring term. Students who apply for graduation receive ceremony information from the Graduation Office.

### GRADUATION REQUIREMENTS

Exceptions are noted in specific program descriptions.

- The articulation agreement between Florida colleges and universities states that after August 31, 1972, students receiving an A.A. degree must have 60 semester hours of academic work exclusive of occupational (A.S.) courses. An A.A. degree must also include an approved General Education program of not less than 36 semester hours.
- All students must complete at least 25 percent (15 credits-A.A.) of the program or certificate credit at PBCC. Neither transfer nor credits-by-exam satisfy this residency requirement.
- A cumulative grade point average of not less than 2.0 must be achieved for all work attempted by all students and a 2.0 cumulative grade point average for all work at PBCC. A grade of C or higher is required for all General Education courses.
- The health course general education requirement may be met by HSC 2100, Health Concepts and Strategies. This general education requirement may also be met by satisfactorily passing the Departmental Health Knowledge Test (Challenge Exam). All students become eligible to take this exam by paying the current test fee.

5. Students must make formal application for graduation in Student Services before the deadline. (Deadlines are listed on the calendar in front of this catalog.)
6. Participation in graduation exercises is expected of all A.A., A.S., and A.A.S. students who are eligible for graduation.
7. General education requirements are in the Areas of Study section of this catalog. The Graduation Office will certify completion of general education requirements on a student transcript upon request.
8. To obtain full benefits of articulation agreements between Palm Beach Community College and the other institutions, a student must fulfill all graduation requirements.
9. Any student who is granted college credits for courses or experiences in settings other than college level will not be granted the credits until 15 college credits have been taken at PBCC. Credit by examination will not be considered to accrue toward the 15 college credits. See Credit for Prior Learning in the Admissions section of this catalog.
10. Graduation with an associate in arts degree requires passing all four sections of CLAST or qualification for one of the exemptions. (See Testing Center for exemption requirements.) Passing scores will be announced by the state of Florida each year. Responsibility for taking and passing the CLAST rests with the student.
11. Students who graduate with a 3.2 overall GPA or higher will be noted in the Commencement Bulletin as graduating with the following distinctions:
  - 3.2-3.49 Academic Distinction
  - 3.5-3.79 High Academic Distinction
  - 3.8-4.0 Presidential Distinction
12. Students who graduate with a minimum overall cumulative GPA of 3.5 and 12 hours of Honors courses, sections or projects completed with a minimum B average and have applied for Honors graduation will be designated as Honors Graduates. Honors graduates will be recognized with the following:
  - Honors notation on Commencement Bulletin
  - Honors gold seal on diploma
  - Honors notation on transcript
  - Honors medallion to be worn at Commencement.

#### Gordon Rule Requirement

As part of graduation with an A.A. degree, students are required to fulfill the Gordon Rule requirement, in accordance with Florida statute. Gordon Rule requires that these students complete writing assignments of at least 24,000 words in communications, humanities and social science courses and that they complete six hours of college level mathematics with a grade of C or higher.

#### GRADUATION WITH MULTIPLE DEGREES

Students who have an A.A. degree or higher are eligible for any A.S. or A.A.S. degree upon completion of those degree requirements. Students who have an A.S. or A.A.S. degree are eligible for an A.A. degree upon completion of those requirements. Students with an A.A.S. may receive an A.S. degree in the same area upon completion

of the additional coursework. However, students with an A.S. degree are not eligible to receive an A.A.S. in the same program area.

#### MAXIMUM PHYSICAL EDUCATION OR MUSIC ENSEMBLE CREDITS FOR GRADUATION

Students may use a maximum of two credit hours in Physical Education activity courses and a maximum of four credit hours of MUN ensemble courses for graduation.

#### PSAV PROGRAM COMPLETION REQUIREMENTS

A Certificate of Program Completion will be awarded to all students who satisfy program requirements and achieve the minimum level of basic skills required for that program. See program requirements in the Areas of Study section of this catalog.

### Policy Changes

Any statement in the Palm Beach Community College Catalog is subject to change by the College.

#### Prerequisites

A student who wishes to register for any course for which the prerequisites have not been completed must consult with the chairperson of the department offering the course. The chairperson may make the decision to require the student to take the prerequisite for the course, move the student to the prerequisite course, or allow the student to remain in the course. Students may not enroll for credit in a course (or prerequisite) for which they have successfully completed a higher-level course in the same logical sequence.

### Religious Observances Policy

The College shall make reasonable accommodation in admissions, class attendance, scheduling of examinations and work assignments in regard to religious observances, practices and beliefs of individual students, as required by Florida statute. Students are required to make arrangements in writing with teachers and other appropriate College personnel at least one week prior to an anticipated religious observance. A student who is denied accommodations may appeal in writing to the supervisor of the faculty or staff member who denied the request within 10 class days from the time of the denial. If the student is not satisfied with the determination at this level, an appeal may be made to the next level of academic management. To expedite the process, the maximum time period between all appeals and responses will be 10 class days.

The student may appeal to the dean of student services for a committee hearing if the student is not satisfied with the results of the preceding steps. The committee, to be appointed by the vice president of student services, will hear the facts and provide a recommendation to the vice president of student services, whose decision on the matter shall be final.

### Security of Student Records

#### DEFINITION OF STUDENT RECORDS

Student records may include, but are not limited to, student's application(s), test scores, transcripts and correspondence. All received transcripts and documents are the property of the College and may

not be copied or transmitted to third parties, except in accordance with state law.

#### INSPECTION OF RECORDS

##### Eligible Persons

In compliance with the Family Educational Rights and Privacy Act (FERPA, also known as the Buckley Amendment), student records at PBCC (located in the Office of the Registrar) are open for inspection only by the student and, as per FERPA guidelines:

- School officials who have legitimate educational interests
- State educational authorities
- Federal and state officials representing state or federal programs
- Persons having written authorization for release
- Officials in compliance with judicial orders.

Palm Beach Community College forwards educational records on request to a school in which a student seeks or intends to enroll.

#### Viewing the Record

- Permanent records are never permitted out of the Office of the Registrar.
- Students may view their records at the counter in the presence of Registrar Office personnel.
- Students may view their transcripts from other institutions but may not obtain a copy of the record, except by writing to request a copy from the institution from which the transcript originated.

#### RELEASE OF RECORDS

##### Copies of Material in Record

- Transcripts are released only upon written consent of the student.
- A \$3 fee for each transcript issued must accompany each request. Fax services and electronic submissions of transcripts to most state institutions are also available.
- If a student cannot have access to the record, i.e., if he/she lives too far away, copies may be made and the fee schedule for transcripts (a.2) will be applied per FERPA guidelines.

#### RETENTION OF RECORDS

Student records will be maintained for a maximum of five years from the student's attendance. Certain documents, such as grades, will be maintained longer in accordance with state archiving and records retention laws and the PBCC College Registrar Records and Retention Schedule.

#### STUDENT DIRECTORY INFORMATION

FERPA requires each institution to determine directory information that may be released without the student's consent, unless the student has specifically requested that some or all of the information not be released. Palm Beach Community College has identified the following as directory information:

- Student name
- Student address
- Dates of attendance

- Major field of study
- Weight and height of members of athletic teams
- Degrees and awards received
- Educational institution attended.

#### \*Important Directory Information Note

*Although Palm Beach Community College has designated student name and address as directory information, students' names will only appear in the commencement ceremony programs, PBCC publications and news releases of awards. In addition, students' names and addresses will be given only to selected institutions of higher education for recruiting purposes and military branches in accordance with the federal guidelines.*

#### Student Right to Privacy

A student must submit a written notice to the Registrar's Office stating which of the above directory information items are not to be released to the general public or the above organizations.

#### Student Records Amendment Appeal Process

If a student believes there is an error in the permanent record, the student should contact the Registrar's Office to arrange a hearing. A hearing will be conducted according to FERPA.

- The hearing will be within a reasonable period of time after the request is received.
- The student shall be given notice of date, place and time reasonably in advance.
- A written decision shall be made by the registrar within a reasonable period of time after the hearing. The written decision and summary shall be based on evidence presented and reasons for the decision.

### Student Conduct

College students are considered to have reached the age of responsibility and discretion. Their conduct, both in and out of college, is expected to be dignified and honorable. Students must realize that the responsibility for their success in college rests largely upon themselves. The PBCC District Board of Trustees, administration and faculty formulate policies and regulations of the College. Each student, by the act of registering, is obligated to obey rules and regulations formulated by the College. The Student Code of Conduct is published in the student handbook.

### Student Maximum Course Load

Most students are not permitted to enroll in more than 18 semester hours in a 16-week session. However, a student who has at least a 3.2 cumulative average may enroll in a maximum of 21 semester hours during the fall or spring term and nine semester hours during summer A or B sessions.

### Unpaid Accounts

Unpaid student accounts will be considered cause for cancellation of registration, graduation, granting of credit or release of transcript.



## AREAS OF STUDY

### Program Listing

#### OVERVIEW OF DEGREES AND CERTIFICATES

Palm Beach Community College awards three degrees: an associate in arts (A.A.), an associate in applied science (A.A.S.) and an associate in science (A.S.). The College offers numerous certificate programs in a variety of fields. Special programs for academic, professional, vocational and personal development are also available.

	Page
<b>General Education Requirements</b>	<b>43</b>
<b>Associate in Arts Program</b>	<b>44</b>
<b>Associate in Science Programs</b>	<b>47</b>
<b>Associate in Applied Science Programs</b>	<b>47</b>
<b>Certificates/Special Programs</b>	<b>48</b>

#### AS/AAS Program Listing

Accounting Technology (AS, AAS, TPA)	49
Automotive Services Management Technology (AS) (Suspended for Academic Year 2000-2001)	50
Building Construction Technology (AS, AAS)	51
Business Administration and Management (AAS, TPA)	52
Child Development and Education (AS)	53
Computer Information Systems Analysis (AS, AAS, TPA)	55
Criminal Justice Technology (AS, AAS, TPA)	58
Drafting and Design Technology (AAS, AS, TPA)	60
Electronics Engineering Technology (AAS, TPA)	60
Film, Television and Video Production Technology (AS, TPA)	61
Fire Science Technology (AS)	62
Graphic Design Technology(AS, AAS)	63
Hospitality Management (AS, AAS, TPA)	64
Human Services (AS, AAS)	66
Industrial Management Technology (AS, AAS, TPA)	67
Interior Design Technology (AS)	68
Legal Assisting (AS)	69
Marketing Management (AS, AAS, TPA)	70
Office Systems Technology (AS, AAS, TPA)	71
Ornamental Horticulture Technology (AS, TPA)	73
Professional Pilot Technology (AS, AAS)	74
Theatre and Entertainment Technology (AS)	77
<b>AS/AAS Allied Health Programs</b>	
Dental Hygiene (AS, TPA)	79
Dietetic Technician (AS)	81
Emergency Medical Services (AS)	82
Nursing (AAS, TPA)	84
Occupational Therapy Assistant (AS)	86
Radiography (AS, TPA)	88
Respiratory Care Technology (AS)	89
<b>Advanced Technical Certificates (ATC)</b>	
Cardiovascular Intervention Technology	91
Cardiovascular Nursing	91
Community Home Health Nursing	92
Computed Tomography	92
Critical Care Nursing	93
Magnetic Resonance Imaging	93
Medical Surgical Nursing	93
Perioperative Nursing	94

#### COURSE / PROGRAM LEGEND

AA	Associate in Arts
AAS	Associate in Applied Science
AS	Associate in Science
ATC	Advanced Technical Certificate
PSAV	Post Secondary Adult Vocational Certificate
PSVC	Post Secondary Vocational Certificate
TPA	Tech Prep Articulated

## General Education Requirements

All General Education requirement courses must be completed with a grade of C or higher to apply to A.A., A.A.S. or A.S. degree programs. The credit hours listed in each area below (e.g., Communications - 9 credit hours) fulfill A.A. degree requirements only. General Education requirements for A.A.S. and A.S. programs are listed in the program descriptions in this chapter. Courses that meet Gordon Rule requirements are listed with "GR" and the number of words that each course fulfills, e.g., GR 6,000, designates that the course fulfills 6,000 of the 24,000 Gordon Rule requirement.

### AREA I - COMMUNICATIONS - 9 CREDIT HOURS

Select one of the following courses:

- ENC 1101 College Composition I (GR 6,000)
- ENC 1121 Honors College Composition I (GR 6,000)

Select one of the following courses:

- ENC 1102 College Composition II (GR 7,000)
- ENC 1141 Writing About Literature (GR 7,000)

The following course is required:

- SPC 1016 Fundamentals of Speech Communication (GR 2,000)

### AREA II - HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- AML 2010 American Literature to 1865 (GR 3,000)
- AML 2020 American Literature after 1865 (GR 3,000)
- ENL 2012 English Literature before 1800 (GR 3,000)
- ENL 2022 English Literature after 1800 (GR 3,000)
- LIT 2090 Contemporary Literature (GR 3,000)
- LIT 2110 World Literature before the Renaissance (GR 3,000)
- LIT 2120 World Literature after the Renaissance (GR 3,000)

Approved Transfer Literature (Verify course credit with an advisor.)

Select one of the following courses:

- ARH 1000 Art Appreciation (GR 2,000)
- ARH 2050 History of Art (Early) (GR 2,000)
- ARH 2051 History of Art (Modern) (GR 2,000)
- MUL 1010 Music Appreciation (GR 2,000)
- THE 1000 Theater Appreciation (GR 2,000)

Approved Transfer Humanities (Verify course credit with an advisor.)

### AREA III - MATHEMATICS - 6 CREDIT HOURS

Select two of the following courses:

- MAC 1105 College Algebra (3) (GR)
- MAC 1114 Trigonometry (3) (GR)
- MAC 1140 Precalculus (3) (GR)
- MAC 2233 Survey of Calculus (for businessmajors)(3)(GR)
- MAC 2311 Calculus with Analytic Geometry I (4) (GR)
- MAC 2312 Calculus with Analytic Geometry II (4) (GR)
- MAC 2313 Calculus with Analytic Geometry III (4) (GR)
- MAP 2302 Differential Equations (3) (GR)
- MGF 1106 Liberal Arts Mathematics (3) (GR)
- MGF 1107 Finite Mathematics (3) (GR)
- STA 2023 Statistics (3) (GR)

Approved Transfer Mathematics (Verify course credit with an advisor.)

### AREA IV - NATURAL SCIENCES - 9 CREDIT HOURS

The following course is required:

- HSC 2100 Health Concepts and Strategies
- Approved Transfer Health (Verify course credit with an advisor.)

Select two of the following courses for 6 credit hours:

- AST 1002 Descriptive Astronomy
- AST 1003 Planetary Astronomy
- AST 1004 Stellar & Galactic Astronomy
- BOT 1010 General Botany and Lab (4)
- BSC 1005 Concepts of Biology (Non-Science Major) (Lab BSC 1010L optional)

- BSC 1010 Principles of Biology (Lab optional)
- BSC 1011 Principles of Biology II and Lab (4)

- BSC 1050 Environmental Conservation
- BSC 1085 Anatomy and Physiology I and Lab (4)

- BSC 1086 Anatomy and Physiology II and Lab (4)
- CHM 1015 Principles of Chemistry (Lab optional)

- CHM 1040 General Chemistry I
- CHM 1041 General Chemistry II and Lab (4)

- CHM 2046 General Chemistry III and Lab (4)
- GLY 1000 Descriptive Geology

- MCB 2010 Microbiology and Lab (4)
- OCE 1001 Introduction to Oceanography (Lab Optional)

- PHY 1001 Applied Physics
- PHY 2048 General Physics with Calculus I & Lab (5)

- PHY 2049 General Physics with Calculus II & Lab (5)
- PHY 2053 General Physics I

- PHY 2054 General Physics II
- PSC 1101 Earth Science

- PSC 1341 Physical Science for Today's World
- ZOO 1010 General Zoology

- ZOO 1010L General Zoology Lab
- Approved Transfer Science (Verify course credit with an advisor.)

### AREA V - SOCIAL SCIENCE - 6 CREDIT HOURS

Select one of the following courses:

- ANT 2000 Anthropology (GR 2,000)
- ECO 2013 Principles of Macroeconomics (GR 2,000)
- GEO 1010 Principles of Geography and Conservation (GR 2,000)

- PSY 2012 General Psychology (GR 2,000)
- SYG 1230 American Minorities Today (GR 2,000)

- SYG 2000 Introduction to Sociology (GR 2,000)
- SYG 2010 American Social Problems (GR 2,000)

- Approved Transfer Social Science (Verify course credit with an advisor.)
- PSY 2012 General Psychology (GR 2,000)

- SYG 1230 American Minorities Today (GR 2,000)
- SYG 2000 Introduction to Sociology (GR 2,000)

- SYG 2010 American Social Problems (GR 2,000)
- Approved Transfer Social Science (Verify course credit with an advisor.)

- AMH 2010 US History to 1865 (GR 2,000)
- POS 1001 Introduction to Political Science (GR 2,000)

- POS 2041 American National Government (GR 2,000)
- POS 2112 American State & Local Government (GR 2,000)

- Approved Transfer Political Science (Verify course credit with an advisor.)

To get on the right track for graduation, check with an academic advisor on course requirements.

## Associate in Arts (AA)

The associate in arts degree (A.A.) is the basic transfer degree of community colleges in Florida, including Palm Beach Community College. The A.A. degree is designed for students who intend to earn a bachelor's degree from a four-year college or university. The A.A. degree program is comparable to the first two years of a university program and it meets the general education requirements and may include common core prerequisites for the student's intended major. The degree requires 60 semester credits hours and guarantees admission as a junior to a Florida public university or one of the participating 26 institutions in the Independent Colleges and Universities of Florida (ICUF). The Statewide Articulation Agreement provides this guarantee and further ensures that during a student's enrollment as a junior and senior at the university, the student will not be required to repeat courses already satisfactorily completed.

Guarantee of university admission does not guarantee admission to a limited access program. In a limited access program, the admissions requirements are more selective and may include a higher GPA and/or higher test scores, or auditions and/or portfolios. Selection for admissions to university limited access programs is competitive. However, community college A.A. graduates have the same opportunity to enroll in these programs as students who began at the university.

State laws for all public community colleges and universities establish lower-level general education requirements. As such, the state's 36-hour general education program is designed to introduce college and university students to the fundamental knowledge, skills, and values that are essential to the study of academic disciplines. General education requirements include courses within the subject areas of communications, mathematics, humanities, social sciences and natural sciences. The statewide general education agreement stipulates that public universities and participating ICUF institutions cannot require a student to take additional general education courses if the student has successfully completed a general education sequence at a community college.

In addition to general education, Florida's articulation system provides for the common prerequisite courses that have been identified for more than 600 university bachelor's degrees across all public institutions. Common core prerequisites are offered and accepted by state universities and community colleges and are the required lower-division courses students must successfully complete for a specific bachelor's degree.

PBCC offers many of these common prerequisites, helping to ensure the College's graduates are ready to enter junior level work in the major of their choice. Further protection of courses taken at the community college is provided through the Statewide Course Numbering System (SCNS) which classifies courses according to subject matter. A course may transfer to a participating institution that offers a course with that same number. Advisors can identify courses that are accepted for transfer.

Students who seek to complete the A.A. degree and transfer to a state university should meet with an advisor to select elective courses that will be accepted for the student's major. The advising process should be continuous throughout the student's education to insure that the elective courses the student takes will be accepted. Advisors have up to date information on the specific requirements for university majors. In addition, Florida has a joint electronic student advising system, known as Florida Academic Counseling and Tracking

for Students (FACTS) that can be found at <http://www.facts.org>. FACTS provides online information to enrolled community college and university students and allows them to obtain their academic records, explore different degree options, and determine their progress toward meeting specific degree requirements. All college advisors have access to transfer publications, along with counseling manuals and/or catalogs from each of the state universities.

### Graduation Requirements for the A.A. Degree

Responsibility for understanding and meeting the requirements for graduation rests with the student. To be awarded the A.A. degree from Palm Beach Community College, a student must do the following:

1. Satisfy admission requirements and successfully complete all required preparatory courses in reading, English and/or mathematics.
2. Complete a minimum of 60 credit hours of university-parallel coursework, comprised of the following: 36 credit hours of General Education and 24 credit hours of University program-specific coursework. Work with an academic advisor for appropriate selection. No more than 2 credit hours of Physical Education and 4 credit hours of MUN (Music Ensemble) courses may be used toward the A.A. degree.
3. Earn an overall grade point average (GPA) and a cumulative GPA in PBCC coursework of at least 2.0.
4. Complete at least 25 percent (15 credit hours - A.A.) of the student's coursework at PBCC, excluding CLEP or credit by exam.
5. Complete, as a Florida Gordon Rule requirement, with a grade of C or higher, writing assignments of at least 24,000 words in communications, humanities and social science courses and, with a grade of C or higher, 6 credit hours of college-level mathematics. (See the General Education requirements.)
6. Satisfy the College Level Academic Skills Test (CLAST) requirement by taking and passing the four components of the test or document satisfaction of the CLAST requirements by a state-approved alternative method.
7. File an application for graduation (Grad Card) through an academic or program advisor by the deadline date listed in the College calendar.
8. Fulfill all financial obligations to the College.

### Transferring Students

Students planning to transfer to a Florida state university after earning the A.A. degree should be aware of the foreign language requirement. To be admitted into the upper division at a Florida state university, students must satisfy this requirement in one of the following ways:

- Successful completion of two credits (two years) of sequential high school instruction in one foreign language, **or**
- Successful completion of 8 semester hours in one foreign language, **or**
- Demonstration of proficiency by passing a CLEP (College Level Examination Program) foreign language test.

Satisfaction of this university admission requirement may not satisfy a specific university graduation requirement of foreign language for certain majors. Students are encouraged to determine the graduation requirements for the university they plan to attend.

### State University System Programs for Transfer Students

The Florida State University System (SUS) offers degrees in the following programs to which PBCC students can transfer, provided they have met the prerequisite requirements for the program. For further information on what is required to transfer into the program in which you are interested, contact your PBCC advisor or state university admissions office. (See also Transferring Students, under A.A. in this section of this catalog). For information on additional programs, not included in this listing or in the Common Prerequisites handbook, contact the state university. Additional program information is available online in FACTS (Florida Academic Counseling and Tracking System) <http://www.facts.org>.

### PBCC can prepare you for the following bachelor degree programs in Florida:

Accounting	Chemistry
Actuarial Sciences	Chemistry and Computer Science - UWF only
Addictions Studies	Chemistry and Earth Science - UWF only
Advertising	Chemistry and Mathematics - UWF only
Aerospace Engineering	Chemistry and Physics - UWF only
African-American (Black) Studies	Chemistry Teacher Education
Agricultural Business/Operations	Civil Engineering
Agricultural Engineering (The Program)	Civil Technology
Agricultural Teacher Education (Vocational)	Classics and Classical Language
Agriculture (Food and Resource) Economics	Coastal and Ocean Engineering
Agriculture Science	Communication (Mass)
Agronomy and Crop Science	Community Health
American Studies (USA)	Computer and Information Engineering
Animal Science	Computer and Information Sciences
Anthropology	Computer Engineering
Apparel Design Technology	Computer Information Systems
Applied Math/Math Sciences	Computer Information Systems - FAU only
Architecture	Computer Science and Earth Science - UWF only
Art History and Appreciation	Computer Science and Mathematics - UWF only
Art Teacher Education	Computer Science and Physics - UWF only
Art, General	Computer Science Concentration, BA
Asian Studies	Computer Sciences
Astronomy	Construction Track
Atmospheric Science and Meteorology	Construction/Building Technology - FAMU
Biochemistry	Construction/Building Technology - FIU
Biological and Physical Sciences - UNF only	Construction/Building Technology - UF and UNF
Biological Systems Mgmt. and Environmental Systems Mgmt.	Criminal Justice Studies
Biology and Chemistry - UWF only	Dairy Science
Biology and Computer Science - UWF only	Dance - BA
Biology and Earth Science - UWF only	Dance - B.F.A.
Biology and Mathematics - UWF only	Dance Education
Biology and Physics - UWF only	Design in Architecture Studies
Biology Teacher Education	Dietetics/Nutritional Services
Biology, General	Drama Education
Botany, General	Dramatic Arts
Business Administration and Management	Earth Science and Mathematics - UWF only
Business Managerial Economics	Earth Science and Physics - UWF only
Business Marketing Management	Earth Systems Science Concentration - FGCU only
Business Teacher Education (Vocational)	Earth/Space Teacher Education
Business, General	East Asian Language/Literature
Cardiopulmonary Sciences (Respiratory Therapy)	French
Chemical Engineering	Geography
Chemical Sciences	

Geology	Magazine Production	Physics Teacher Education
German	Management Info Systems/Business/Data Processing	Plant Pathology
Gerontology	Management Science	Plant Sciences
Graphic Design	Manufacturing Track	Political Science and Government
Greek, Classical	Marine/Aquatic Biology	Portuguese
Health Administration	Materials Engineering	Poultry Science
Health Information Management	Mathematics and Physics - UWF only	Pre-Elementary/Early Childhood Teacher Education
Health Sciences, BS	Mathematics, General	Printing Production
Health Services Administration	Mechanical Engineering	Production Management, Manufacturing and Process
Health Teacher Education	Mechanical Engineering-Related Technology	Psychology, General
History	Medical Technology	Public Administration
Home Economics Teacher Education (Vocational)	Merchandising	Public Relations and Organizational Communication
Home Economics, General	Microbiology/Bacteriology	Radiation Physics
Horticulture Science	Middle Grade English/Middle Grade Social Science Education	Radio and TV Broadcasting
Hospitality Administration/Management - FIU	Middle Grade Math/Middle Grade English Education	Radiologic (Med) Technology
Hospitality Administration/Management - FSU and UCF	Middle Grade Math/Middle Grade Science Education	Real Estate
House	Middle Grade Math/Middle Grade Social Science Education	Recreation Program Delivery
Human Resource Development	Middle Grade Science/Middle Grade English Education	Rehabilitative Services
Human Resources Management	Middle Grade Science/Middle Grade Social Science Education	Religious Studies
Human Services, BS	Middle Grades Science Teacher Education	Rhetorical Speech and Communication
Humanities	Motion Picture and TV Technology	Russian
Independent Studies	Motion Picture, TV, Recording Arts	Russian and East European Studies
Industrial and Systems Engineering	Music Composition	Secondary Mathematics Education
Industrial/Manufacturing Engineering	Music History and Appreciation	Secondary Science/Math Teacher Education
Information Sciences - UNF only	Music Performance	Social Psychology
Information Sciences and Systems	Music Teacher Education	Social Sciences Teacher Education (History, Social Science, Economics, and Political Science)
Instructional Technology	Music Therapy	Social Sciences, General
Insurance and Risk Management	Music, General	Social Work, General
Interdisciplinary Natural Sciences	Music/Music Theory	Sociology
Interior Design - FIU	Natural Resource Conservation	Soils Science
Interior Design - FSU	Natural Resources	Spanish
Interior Design - UF	New College	Special Education, General
International Business Management	Nuclear Engineering	Speech Pathology and Audiology
International Relations	Nursing	Statistics
Italian	Nutrition and Dietetics	Studio/Fine Art
Jazz Studies	Nutritional Science	Surveying
Jewish Studies	Occupational Specialist Training Education	Teacher Certification
Journalism	Occupational Therapy	Technical Education
Junior High/Middle School Mathematics Education	Pharmacy (Pharm D) FAMU only	Textiles
Landscape Architecture	Pharmacy (Pharm D) UF only	Therapeutic Recreation
Landscape Operations and Management	Philosophy	Transportation Management
Latin	Philosophy and Religion	Urban and Regional Planning
Latin American Studies	Photography	Vocational Industrial Education
Legal Assisting	Physical Education Teaching and Coaching	Vocational Rehab Counseling
Leisure Services - Professional	Physical Therapy	Waste Management and Utilization and Land Water Management
Leisure Services Management	Physics	Wildlife Ecology and Conservation
Liberal Arts and Sciences		Women's Studies
Library Science - Information Studies		Zoology
Linguistics		

## Associate in Science (AS)

The associate in science (A.S.) degree is a career education degree of the community colleges in Florida, including PBCC. The A.S. is intended to prepare students for entry into employment. Though not considered a transfer degree, some transfer is possible as noted below.

The A.S. requires completion of a minimum of 15 college credits of general education with grades of C or higher. At least 25 percent of all coursework must be completed at PBCC. The courses used to satisfy this requirement are taken from the five areas of general education and are listed in each program's requirements.

The College requires that the following competencies be documented through the courses that apply to the A.S. degree:

- Basic use of computers
- Computation
- Written and oral communication

Specific course requirements listed in the catalog include these competencies.

The general education courses of the A.S. degree, and some of the elective/occupational courses, may transfer. The Statewide Course Numbering System classifies courses according to subject matter. A course may transfer to a participating institution that offers a course having the same number. Advisors can help identify courses that are accepted.

Two of the A.S. degrees at PBCC, Radiography and Hospitality Management, are covered in the state's career ladder agreement. Under this agreement, students who complete these programs are guaranteed admission to any of the state universities in the program designated to articulate with their degree, except for limited access programs and those requiring specific grades on particular courses for admission. For these two programs, the designated curriculum must be followed, and the general education courses must be transferable. In addition, many A.S. courses or programs are covered in agreements between PBCC and individual institutions. Advisors can help identify programs with agreements.

A.S. students who wish to also complete an A.A. or bachelor's degree may complete the remainder of the 36 general education hours at PBCC. The dual degree will be indicated on the student transcript. The Registrar should be notified that both degrees are desired.

Since the A.S. degree is primarily designed to prepare students for careers, the College maintains information on the employment success of program graduates. Completion rates, job placement statistics and salary information are available in the career centers.

## Associate in Applied Science (AAS)

The associate in applied science (A.A.S.) degree is also a career education degree of the community colleges in Florida, including PBCC. This degree also is designed to prepare students for entry into employment.

The A.A.S. degree also requires completion of a minimum of fifteen (15) college credits of general education with grades of C or higher. At least 25 percent of all coursework must be completed at PBCC. However, the A.A.S. may include courses that will not typically apply to a baccalaureate program. This allows for general education courses designed to more closely tie to the occupational area. For example, ENC 1151 (Applied Communications) will meet the communication general education requirement for the A.A.S. degree, but not for the A.S. degree. MAT 1033 (Intermediate Algebra) and MTB 1103 (Business Mathematics) will meet the mathematics general education requirement for the A.A.S. degree, but not for the A.S. degree. In these cases, the general education requirements are different, but the technical components of the program are the same.

The College requires that the following competencies be documented through the courses that apply to the A.A.S. degree:

- Basic use of computers
- Computation
- Wellness
- Written and oral communication

Specific course requirements listed in the catalog include these competencies.

Some of the general education courses of the A.A.S. degree, and some of the elective/occupational courses, may transfer. The Statewide Course Numbering System classifies courses according to subject matter. A course may transfer to a participating institution that offers a course having the same number. Advisors can help identify courses that are accepted. Some A.A.S. courses or programs are covered in agreements between PBCC and individual institutions. Advisors can help identify programs with agreements.

A.A.S. students who wish to also complete an A.A. or bachelor's degree may complete the remainder of the 36 general education hours at PBCC. The dual degree will be indicated on the student transcript. The Registrar should be notified that both degrees are desired.

Since the A.A.S. degree is primarily designed to prepare students for careers, the College maintains information on the employment success of program graduates. Completion rates, job placement statistics, and salary information are available in the career centers.

## Certificate and Diploma Programs

### ADVANCED TECHNICAL CERTIFICATE (ATC)

An Advanced Technical Certificate (ATC) is a program of instruction of at least 9 but less than 45 credit hours of college-level courses. The ATC may be awarded to students who have already received a degree and are seeking an advanced, specialized planning program to supplement their associate or other degree.

Each ATC at PBCC has been developed to address individual specialty areas in either nursing or medical imaging. The courses making up each ATC are focused on enhancing the excellence of health care delivery by the professional participant. PBCC offers eight ATCs in the following areas: Cardiovascular Intervention Technology, Cardiovascular Nursing, Community Home Health Nursing, Computed Tomography, Critical Care Nursing, Magnetic Resonance Imaging, Medical Surgical Nursing and Perioperative Nursing.

### APPLIED TECHNOLOGY DIPLOMA (ATD)

The Applied Technology Diploma (ATD) is a course of study that is part of an A.A.S. or A.S. degree, is less than 60 credit hours, is approximately 50 percent of the technical component (non-general education) and leads to employment in a specific occupation. An ATD program may consist of either vocational credit or college credit. ATDs articulate into the related A.S. or A.A.S. degree.

### POST SECONDARY VOCATIONAL CERTIFICATE (PSVC)

The Post Secondary Vocational Certificate (PSVC) is a college credit certificate which provides instruction consisting of college-level courses to prepare students for entry into employment. PBCC offers one PSVC in Paramedic.

### POST SECONDARY ADULT VOCATIONAL (PSAV) CERTIFICATE

Post Secondary Adult Vocational (PSAV) programs provide instruction consisting of non-college-level courses to prepare for entry into employment. Completion of courses within the programs shall be recognized by the award of units of measure called vocational credit.

### PROFESSIONAL AND PERSONAL DEVELOPMENT

Students may enroll in credit or other courses to meet individual educational needs, such as upgrading skills for employment, cultural enrichment and improving academic preparation. Each term, courses are listed in the Schedule of Classes on the PBCC Web site and in special brochures that can be found in various locations (Registrar's Office, Registration, etc.) throughout the College.



Computer stations in the dining area at PBCC's Boca Raton location provide extra convenience for students.

## A.S./A.A.S. Programs

### Accounting Technology (AS/AAS/TPA)

This program offers two options: the Staff Accountant Track and the Full-Charge Bookkeeper Track. It is designed for the student who will seek immediate employment in the accounting field upon graduation or who is presently employed in accounting and allied fields and desires advancement.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Palm Beach County School District Tech Prep students may qualify to receive credit after the completion of 15 semester hours of college work with a C average or better. All General Education requirement courses must be completed with a grade of C or higher to apply to A.A.S. and A.S. degree programs. Students must present evidence of Tech Prep coursework to the PBCC Registrar upon entrance into a college program.

#### STAFF ACCOUNTANT TRACK (AAS A042/AS 2050)

Course #	Title	Hours
----------	-------	-------

##### General Education Requirements

ENC 1101	College Composition I (AS students)	3
ENC 1151	Applied Communications (AAS students)	(3)
HSC 2100	Health Concepts & Strategies	3
MFG 1106	Liberal Arts Mathematics (AS students)	3
MTB 1103	Business Mathematics (AAS students)	(3)
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3

Total General Education Credits Required ..... 15

##### Required Courses

ACG 2022	Financial Accounting	4
ACG 2071	Managerial Accounting	3
ACG 2100	Intermediate Accounting	3
ACG 2360	Cost Accounting	3
ACG 2450	Microcomputer Operations - Accounting	3
ACO 2661	Accounting Information Systems	3
BUL 2241	Business Law I	

- or -

GEB 1011 Introduction to Business

- or -

MAN 2021 Principles of Management

CGS 1570 Microcomputer Applications

MNA 2100 Human Relations in Business

OST 1332 Business Presentations

- or -

SPC 1016 Fundamentals of Speech Communication

OST 2335 Business Communications

TAX 2000 Federal Income Tax I

TAX 2010 Federal Income Tax II

Total Required Course Credits ..... 41

##### FULL-CHARGE BOOKKEEPING TRACK (AAS A041/AS 2047)

Course #	Title	Hours
----------	-------	-------

##### General Education Requirements

ENC 1101	College Composition I (AS students)	3
ENC 1151	Applied Communications (AAS students)	(3)
HSC 2100	Health Concepts & Strategies	3
MFG 1106	Liberal Arts Mathematics	3
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3

Total General Education Credits Required ..... 15

##### Required Courses

ACG 2022	Financial Accounting	4
ACG 2071	Managerial Accounting	3
ACG 2450	Microcomputer Operations - Accounting	3
APA 1111	Bookkeeping I	3

Business/Accounting Electives  
(STA 2023 is recommended)

Total Elective Credits ..... 8  
Total Program Hours ..... 64

### Suggested Course Sequence

#### Term One

ACG 2022	Financial Accounting	4
BUL 2241	Business Law I	
	- or -	
GEB 1011	Introduction to Business	
	- or -	
MAN 2021	Principles of Management	3
CGS 1570	Microcomputer Applications	3
ENC 1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students)	(3)
MGF 1106	Liberal Arts Mathematics (A.S. students)	3
MTB 1103	Business Mathematics (A.A.S. students)	(3)
MTB 1103	Business Mathematics (A.A.S. students)	(3)
MTB 1103	Business Mathematics (A.A.S. students)	(3)
OST 1332	Business Presentations	3

#### Total

ACG 2071	Managerial Accounting	3
HSC 2100	Health Concepts & Strategies	3
MNA 2100	Human Relations in Business	3
OST 1332	Business Presentations	3
	- or -	
SPC 1016	Fundamentals of Speech Communication	3
OST 2335	Business Communications	4
	Total	16

#### Term Two

ACG 2100	Intermediate Accounting	3
ACG 2450	Microcomputer Operations - Accounting	3
TAX 2000	Federal Income Tax I	3
	Business/Accounting Electives	5
	Any course from Humanities - Area II	3
	Total	17

#### Term Three

ACG 2360	Cost Accounting	3
ACO 2661	Accounting Information Systems	3
TAX 2010	Federal Income Tax II	3
	Any course from Social Science - Area V	3
	Business/Accounting Elective	3
	Total	15

ENC 1101	College Composition I (AS students)	3
ENC 1151	Applied Communications (AAS students)	(3)
HSC 2100	Health Concepts & Strategies	3
MFG 1106	Liberal Arts Mathematics	3
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3
	Total	15

ACG 2022	Financial Accounting	4
ACG 2071	Managerial Accounting	3
ACG 2450	Microcomputer Operations - Accounting	3
APA 1111	Bookkeeping I	3
	Total	15

APA 1121	Bookkeeping II	3
APA 2172	Computerized Bookkeeping	4
BUL 2241	Business Law I	
	- or -	
GEB 1011	Introduction to Business	
	- or -	
MAN 2021	Principles of Management	3
CGS 1570	Microcomputer Applications	3
MTB 1103	Business Mathematics	3
OST 1332	Business Presentations	
	- or -	
SPC 1016	Fundamentals of Speech Communication	3
OST 2335	Business Communications	4
OST 2402	Office Procedures & Technology	4
TAX 2000	Federal Income Tax I	3
<b>Total Required Course Credits</b>		<b>43</b>
<b>Electives</b>		
	Business/Accounting Electives	6
<b>Total Elective Credits Required</b>		<b>6</b>
<b>Total Program Hours</b>		<b>.64</b>
<b>Suggested Course Sequence</b>		
<b>Term One</b>		
APA 1111	Bookkeeping I	3
BUL 2241	Business Law I	
	- or -	
GEB 1011	Introduction to Business	
	- or -	
MAN 2021	Principles of Management	3
CGS 1570	Microcomputer Applications	3
ENC 1101	College Composition I (AS students)	3
ENC 1151	Applied Communications (AAS students)	(3)
MTB 1103	Business Mathematics	3
<b>Total</b>		<b>15</b>
<b>Term Two</b>		
ACG 2022	Financial Accounting	4
APA 1121	Bookkeeping II	3
OST 1332	Business Presentations	
	- or -	
SPC 1016	Fundamentals of Speech Communication	3
	Any course from Social Science - Area V	3
	Business Elective	3
<b>Total</b>		<b>16</b>
<b>Term Three</b>		
ACG 2071	Managerial Accounting	3
APA 2172	Computerized Bookkeeping	4
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics	3
TAX 2000	Federal Income Tax I	3
<b>Total</b>		<b>16</b>
<b>Term Four</b>		
ACG 2450	Microcomputer Operations - Accounting	3
OST 2335	Business Communications	4
OST 2402	Office Procedures & Technology	4
	Any course from Humanities - Area II	3
	Business/Accounting Elective	3
<b>Total</b>		<b>17</b>

## Automotive Service Management Technology (AS)

*Suspended for 2001-2002 Academic Year*

This program is designed for the student who seeks a management position in the automotive industry. It is an articulated program consisting of an automotive technology core offered by ASE certified technical schools and a management core of courses offered by Palm Beach Community College.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Course # Title Hours

<b>General Education Requirements</b>		
ENC 1101	College Composition I	3
HSC 2100	Health Concepts & Strategies	3
MAC 1105	College Algebra	3
POS 2041	Introduction to Political Science	3
	Any course from Humanities - Area II	3
<b>Total General Education Credits Required</b>		<b>15</b>

<b>Required Courses</b>		
AER 1940	Apprentice Experience I	1
AER 1941	Apprentice Experience II	1
AER 1942	Apprentice Experience III	1
CGS 1570	Microcomputer Applications	3
ENC 1151	Applied Communications	3
MAN 2021	Principles of Management	3
MNA 2100	Human Relations in Business	3
MNA 2345	Principles of Supervision	3
OST 1332	Business Presentations	
	- or -	
SPC 1016	Fundamentals of Speech Communication	3
PHY 1001	Applied Physics	3
<b>Total Required Course Credits</b>		<b>24</b>

<b>Technical Core</b>		
<i>(Choose any 7 of the following.)</i>		
AER 1000	Automotive Parts & Customer Relations	3
AER 1004	Engine Diagnosis and Repair	3
AER 1100	Electrical System Diagnosis and Repair	3
AER 1112	Engine Performance	3
AER 1120	Suspension and Steering Systems	3
AER 1121	Brake System Diagnosis and Repair	3
AER 1131	Automatic Transmission and Transaxles	3
AER 1162	Manual Transmissions and Drive Train	3
AER 1171	Heating and Air-conditioning Systems	3
<b>Total Technical Core Credits Required</b>		<b>21</b>

<b>Electives (8 Hours Required)</b>		
BUL 2241	Business Law I	3
ETI 2633	Industrial Relationships	3
GEB 1011	Introduction to Business	3
MAC 1114	Trigonometry	3
MAR 2011	Principles of Marketing	3
MKA 2021	Salesmanship	3
<b>Total Elective Credits Required</b>		<b>8</b>
<b>Total Program Hours</b>		<b>.68</b>

## Building Construction Technology (AAS A213/AS 2198)

This program is designed for the student who is seeking an entry-level management position in building construction. Course content covers both technical and supervisory skills.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Course # Title Hours

<b>General Education Requirements</b>		
ENC 1101	College Composition I (AS students)	3
ENC 1151	Applied Communications (AAS students)	(3)
HSC 2100	Health Concepts & Strategies	
MAC 1105	College Algebra	3
POS 2041	American National Government	3
	Any course from Humanities - Area II	3
<b>Total General Education Credits Required</b>		<b>15</b>

<b>Required Courses</b>		
BCN 1210	Building Construction Materials	3
BCN 1272	Plans Interpretation	3
BCN 2220	Construction Materials and Methods	3
BCN 2253C	Architectural Drafting	3
BCT 1600	Advanced Construction Estimating	3
PHY 1001	Applied Physics	3
<b>Total</b>		<b>15</b>

Course # Title Hours

<b>Suggested Course Sequence</b>		
<b>Term One</b>		
BCN 1272	Plans Interpretation	3
ENC 1101	College Composition I (AS students)	0/3
ENC 1151	Applied Communications	3
ETD 1100C	Introduction to Technical Drawing	3
ETD 1320C	Introduction to Computer Drafting	3
HSC 1400	Standard First Aid and CPR	1
MAC 1114	Trigonometry	3
PHY 1001	Applied Physics	3
SUR 1101C	Basic Surveying and Mapping	4
<b>Total Required Course Credits</b>		<b>45/48</b>

Course # Title Hours

<b>Electives</b>		
A.A.S. students take 4 credit hours, and A.S. students take one credit hour. Any credit course(s) may be chosen.		
<b>Total Elective Credits Required</b>		<b>.4/1</b>
<b>Total Program Hours</b>		<b>.64</b>
<b>Total</b>		<b>16</b>

Course # Title Hours

**Term Two**

BCT 1743	Construction Law	3
BCT 1750	Construction Finance	3
BCT 2705	Construction Supervision Procedure	3
MAC 1114	Trigonometry	3
SUR 1101C	Basic Surveying and Mapping	4
<b>Total</b>		<b>16</b>

**Term Three**		






</

## Business Administration and Management (AAS A087/TPA)

This program is designed for the student who wants to enter the field of business. Course content includes basic theoretical knowledge and the opportunity to explore various fields of vocational interest.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Palm Beach County School District Tech Prep students may qualify to receive credit after the completion of 15 semester hours of college work with a C average or better. All General Education requirement courses must be completed with a grade of C or higher to apply to A.A.S. degree programs. Students must present evidence of Tech Prep course-work to the PBCC registrar upon entrance into a college program.

Course #	Title	Hours
<b>General Education Requirements</b>		
ENC 1101	College Composition I	3
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics	3
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3
<b>Total General Education Credits Required</b>		<b>15</b>
<b>Required Courses</b>		
APA 1111	Bookkeeping I	3
CGS 1570	Microcomputer Applications	3
ENC 1102	College Composition II - or -	3
ENC 1151	Applied Communications	3
GEB 1011	Introduction to Business	3
MAR 2011	Principles of Marketing	3
MNA 2100	Human Relations in Business - or -	3
MNA 2345	Principles of Supervision	3
MTB 1103	Business Mathematics	3
OST 2335	Business Communications	4
SPC 1016	Fundamentals of Speech Communication Business Electives * General Electives **	3 11 10
<b>Total Required Course Credits</b>		<b>49</b>
<b>Total Program Hours</b>		<b>64</b>

\*Business Electives: Choose from the areas of Accounting, Business, Computer Science, Legal Assisting, Economics, Management, Marketing, Real Estate and Office Systems Technology.

\*\*General Electives: Choose from the areas of English, Mathematics, Humanities, Science and Social Science.

### Suggested Course Sequence

Term One	Bookkeeping I	3
CGS 1570	Microcomputer Applications	3
ENC 1101	College Composition I	3
GEB 1011	Introduction to Business	3
MTB 1103	Business Mathematics	3
<b>Total</b>		<b>15</b>

Term Two		
ENC 1102	College Composition II - or -	3
ENC 1151	Applied Communications	3
MAR 2011	Principles of Marketing	3
MGF 1106	Liberal Arts Mathematics	3
	Any course from Social Science - Area V	3
	Business Elective *	3
	<b>Total</b>	<b>15</b>

Term Three		
MNA 2100	Human Relations in Business - or -	3
MNA 2345	Principles of Supervision	3
SPC 1016	Fundamentals of Speech Communication Business Electives * General Electives **	3 6 6
	<b>Total</b>	<b>18</b>

Term Four		
HSC 2100	Health Concepts & Strategies	3
OST 2335	Business Communications	4
	Any course from Humanities - Area II	3
	Business Electives *	2
	General Electives **	4
	<b>Total</b>	<b>16</b>

## Child Development and Education (AS)

This program is designed for the student who wishes to enter the field of early childhood as an educator/caregiver. The course content provides the student with a thorough background in all aspects of child development as well as expanding his/her classroom knowledge into a practical hands-on teaching experience in a Child Care Center Management Track, Infant/Toddler Track, Montessori Track or a Preschool Track. A School Age Track is currently being developed.

The Center for Early Learning at the Lake Worth location is a Montessori-based laboratory preschool. Students from a variety of disciplines utilize the observation room. The Center also serves as a practicum site for interns from both the traditional and Montessori education options. The center, staffed by three teachers, serves 22 children, ages 2 1/2 to 5, from 8:00 a.m. to noon, during the fall, spring and summer A terms. Children of students, staff and faculty are eligible to enroll. Tuition is \$50 per week.

PBCC's Montessori Teacher Training Program, Early Childhood level, is accredited by the Montessori Accreditation Council for Teacher Education (MACTE) and affiliated with the American Montessori Society (AMS). The program consists of the Montessori Track of the A.S. program in Child Development and Education (see below) and several Career and Technical Education courses. PBCC's Montessori Teacher Training Program, Elementary I level, is also accredited by MACTE and affiliated with AMS. The courses for the Elementary I level are all Career and Technical Education courses. For more information, call (561) 439-8046.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

### CHILD CARE CENTER MANAGEMENT SPECIALIZATION TRACK (AS 2358)

Course #	Title	Hours
<b>General Education Requirements</b>		
ENC 1101	College Composition I	3
HSC 2100	Health Concepts & Strategies	3
PSY 2012	General Psychology	3
	Any course from Humanities - Area II	3
	Any course from Natural Sciences - Area IV	3
<b>Total General Education Credits Required</b>		<b>15</b>

### Required Courses

DEP 2102	Child Growth and Development	3
EDF 1030	Behavior Management in the Classroom	3
EEC 1001	Introduction to Early Childhood Education	3
EEC 1601	Observation and Assessment in Early Childhood	3
EEC 2272	Teaching Children with Special Needs	3
EEC 2603	Conflict Resolution in Early Childhood	3
EEC 2731	Health, Safety, and Nutrition for Young Children	3
HUS 1001	Introduction to Human Services	3
SPC 1300	Introduction to Interpersonal Communication	3
SYG 2430	Marriage and Family	3
<b>Total Required Course Credits</b>		<b>30</b>

### Required Child Care Center Management Track Courses

EEC 2302	Child Care and Education Programming	3
EEC 2002	Child Care and Educational Organizational	

Leadership Management	3
Child Care and Education Financial and Legal Issues	3
Child Care Center Management Practicum I	3
Child Care Center Management Practicum II	3
Fundamentals of Speech Communication	3
<b>Total Track Required Course Credits</b>	<b>18</b>
<b>Total Program Hours</b>	<b>63</b>

### Suggested Course Sequence

Term One		
EEC 1001	Introduction to Early Childhood Education	3
EEC 2202	Child Care and Education Programming	3
EEC 2002	Child Care and Educational Organizational Leadership Management	3
PSY 2012	General Psychology	3
	Any course from Humanities - Area II	3
<b>Total</b>		<b>15</b>

Term Two		
DEP 2102	Child Growth and Development	3
EEC 2521	Child Care and Education Financial and Legal Issues	3
	Child Care Center Management Practicum I	3
	Child Care Center Management Practicum II	3
	Fundamentals of Speech Communication	3
<b>Total</b>		<b>18</b>
<b>Total Program Hours</b>		<b>63</b>

Term Three		
EDF 1030	Behavior Management in the Classroom	3
EEC1601	Observation and Assessment in Early Childhood	3
EEC 2731	Conflict Resolution	3
EEC 2942	Child Care Center Management Practicum I	3
HUS 1001	Introduction to Human Services	3
<b>Total</b>		<b>15</b>

### TERM FOUR

TEACHING CHILDREN WITH SPECIAL NEEDS

CHILD CARE CENTER MANAGEMENT

PRACTICUM II

HEALTH CONCEPTS & STRATEGIES

MARRIAGE & FAMILY

FUNDAMENTALS OF SPEECH COMMUNICATION

**Total**

15

15

15</

		A.S./A.A.S. Programs
EEC 2271	Teaching Children with Special Needs	3
EEC 2603	Conflict Resolution in Early Childhood	3
EEC 2731	Health, Safety, and Nutrition for Young Children	3
HUS 1001	Introduction to Human Services	3
SPC 1300	Introduction to Interpersonal Communication	3
SYG 2430	Marriage and Family	3
<b>Total Required Course Credits</b>		<b>30</b>
<b>Required Infant/Toddler Track Courses</b>		
CHD 1110	Infants/Toddlers	3
EEC 2943	Infant Toddler Practicum I	3
EEC 2946	Infant Toddler Practicum II	3
EEC 2204	Developing Curriculum for Infants and Toddlers	3
EEC 1522	Infant/Toddler Environments	3
EEC 2407	Social-Emotional Growth and Interaction in Infants and Toddlers	3
<b>Total Track Required Course Credits</b>		<b>18</b>
<b>Total Program Hours</b>		<b>63</b>
<b>Suggested Course Sequence</b>		
<b>Term One</b>		
EEC 1001	Introduction Early Childhood Education	3
CHD 1110	Infants/Toddlers	3
PSY 2012	General Psychology	3
	Any course from Humanities - Area II	3
	Any course from Natural Sciences - Area IV	3
<b>Total</b>		<b>15</b>
<b>Term Two</b>		
DEP 2102	Child Growth and Development	3
EEC 2407	Social-Emotional Growth and Interaction in Infants and Toddlers	3
EEC 2732	Health, Safety and Nutrition for Young Children	3
ENC 1101	College Composition I	3
SPC 1300	Introduction to Interpersonal Communication	3
<b>Total</b>		<b>15</b>
<b>Term Three</b>		
EDF 1030	Behavior Management in the Classroom	3
EEC 2943	Infant Toddler Practicum I	3
EEC 1601	Observation and Assessment in Early Childhood	3
EEC 2204	Developing Curriculum for Infants and Toddlers	3
EEC 2603	Conflict Resolution	3
HUS 1001	Introduction to Human Services	3
<b>Total</b>		<b>18</b>
<b>Term Four</b>		
EEC 2946	Infant Toddler Practicum II	3
EEC 1522	Infant/Toddler Environment	3
EEC 2271	Teaching Children with Special Needs	3
HSC 2100	Health Concepts & Strategies	3
SYG 2430	Marriage & Family	3
<b>Total</b>		<b>15</b>
<b>MONTESSORI TRACK (AS 2349)</b>		
<b>Course #</b>	<b>Title</b>	<b>Hours</b>
<b>General Education Requirements</b>		
ENC 1101	College Composition I	3
HSC 2100	Health Concepts & Strategies	3
PSY 2012	General Psychology	3

	Any course from Humanities - Area II	3
	Any course from Natural Sciences - Area IV	3
<b>Total General Education Credits Required</b>		<b>15</b>
<b>Required Courses</b>		
DEP 2102	Child Growth and Development	3
EDF 1030	Behavior Management in the Classroom	3
EEC 1001	Introduction to Early Childhood Education	3
EEC 1601	Observation and Assessment in Early Childhood	3
EEC 2271	Teaching Children with Special Needs	3
EEC 2603	Conflict Resolution in Early Childhood	3
EEC 2731	Health, Safety, and Nutrition for Young Children	3
HUS 1001	Introduction to Human Services	3
SPC 1300	Introduction to Interpersonal Communication	3
SYG 2430	Marriage and Family	3
<b>Total Required Course Credits</b>		<b>30</b>
<b>Required Montessori Track Courses</b>		
CHD 1220	Child Development Infancy/Preschool	3
EEC 1006	Montessori Philosophy	3
EEC 2530	Montessori Curriculum I	3
EEC 2532	Montessori Curriculum II	3
EEC 2940	Montessori Practicum I	3
EEC 2941	Montessori Practicum II	3
<b>Total Track Required Course Credits</b>		<b>18</b>
<b>Total Program Hours</b>		<b>63</b>
<b>Suggested Course Sequence</b>		
<b>Term One</b>		
EEC 1001	Introduction Early Childhood Education	3
CHD 1110	Infants/Toddlers	3
PSY 2012	General Psychology	3
	Any course from Humanities - Area II	3
	Any course from Natural Sciences - Area IV	3
<b>Total</b>		<b>15</b>
<b>Term Two</b>		
DEP 2102	Child Growth and Development	3
EEC 2407	Social-Emotional Growth and Interaction in Infants and Toddlers	3
EEC 2732	Health, Safety and Nutrition for Young Children	3
ENC 1101	College Composition I	3
SPC 1300	Introduction to Interpersonal Communication	3
<b>Total</b>		<b>15</b>
<b>Term Three</b>		
EDF 1030	Behavior Management in the Classroom	3
EEC 2943	Infant Toddler Practicum I	3
EEC 1601	Observation and Assessment in Early Childhood	3
EEC 2204	Developing Curriculum for Infants and Toddlers	3
EEC 2603	Conflict Resolution	3
HUS 1001	Introduction to Human Services	3
<b>Total</b>		<b>18</b>
<b>Term Four</b>		
EEC 2946	Infant Toddler Practicum II	3
EEC 1522	Infant/Toddler Environment	3
EEC 2271	Teaching Children with Special Needs	3
HSC 2100	Health Concepts & Strategies	3
SYG 2430	Marriage & Family	3
<b>Total</b>		<b>15</b>
<b>MONTESSORI TRACK (AS 2349)</b>		
<b>Course #</b>	<b>Title</b>	<b>Hours</b>
<b>General Education Requirements</b>		
ENC 1101	College Composition I	3
HSC 2100	Health Concepts & Strategies	3
PSY 2012	General Psychology	3

		A.S./A.A.S. Programs
<b>PRE-SCHOOL TRACK (AS 2342)</b>		
<b>Course #</b>	<b>Title</b>	<b>Hours</b>
<b>General Education Requirements</b>		
ENC 1101	College Composition I	3
HSC 2100	Health Concepts & Strategies	3
PSY 2012	General Psychology	3
	Any course from Humanities - Area II	3
	Any course from Natural Sciences - Area IV	3
<b>Total General Education Credits Required</b>		<b>15</b>
<b>Required Courses</b>		
DEP 2102	Child Growth and Development	3
EDF 1030	Behavior Management in the Classroom	3
EEC 1001	Introduction to Early Childhood Education	3
EEC 1601	Observation & Assessment in Early Childhood	3
EEC 2271	Teaching Children with Special Needs	3
EEC 2603	Conflict Resolution in Early Childhood	3
EEC 2731	Health, Safety, and Nutrition for Young Children	3
HUS 1001	Introduction to Human Services	3
SPC 1300	Introduction to Interpersonal Communication	3
SYG 2430	Marriage and Family	3
<b>Total Required Course Credits</b>		<b>30</b>
<b>Required Traditional Track Courses</b>		
CHD 1220	Child Development Infancy/Preschool	3
EDG 1311	Education Practicum I	3
EDG 1312	Education Practicum II	3
EEC 1200	Early Childhood Curriculum I	3
EEC 1311	Early Childhood Curriculum II	3
EEC 1214	Early Childhood Curriculum III	3
<b>Total Traditional Track Credits Required</b>		<b>18</b>
<b>Total Program Hours</b>		<b>63</b>
<b>Suggested Course Sequence</b>		
<b>Term One</b>		
EEC 1001	Introduction Early Childhood Education	3
EEC 1006	Montessori Philosophy	3
EEC 2530	Montessori Curriculum I	3
EEC 2532	Montessori Curriculum II	3
PSY 2012	General Psychology	3
	Any course from Humanities - Area II	3
<b>Total</b>		<b>15</b>
<b>Term Two</b>		
DEP 2102	Child Growth and Development	3
EEC 2407	Social-Emotional Growth and Interaction in Infants and Toddlers	3
EEC 2732	Health, Safety and Nutrition for Young Children	3
ENC 1101	College Composition I	3
SPC 1300	Introduction to Interpersonal Communication	3
<b>Total</b>		<b>15</b>
<b>Term Three</b>		
EDF 1030	Behavior Management in the Classroom	3
EEC 2943	Infant Toddler Practicum I	3
EEC 1601	Observation and Assessment in Early Childhood	3
EEC 2204	Developing Curriculum for Infants and Toddlers	3
EEC 2603	Conflict Resolution	3
HUS 1001	Introduction to Human Services	3
<b>Total</b>		<b>18</b>
<b>Term Four</b>		
EDF 1030	Behavior Management in the Classroom	3
EEC 1601	Observation and Assessment in Early Childhood	3
EEC 2603	Conflict Resolution in Early Childhood	3
EEC 2940	Montessori Practicum I	3
HUS 1001	Introduction to Human Services	3
<b>Total</b>		<b>15</b>
<b>Term Three</b>		
EDF 1030	Behavior Management in the Classroom	3
EDG 1311	Education Practicum I	3
EEC 1601	Observation and Assessment in Early Childhood	3
EEC 2603	Conflict Resolution in Early Childhood	3
HUS 1001	Introduction to Human Services	3
<b>Total</b>		<b>15</b>
<b>Term Four</b>		
CHD 1220	Child Development, Infancy/Preschool(Spring)	3
EEC 2271	Teaching Children with Special Needs	3
EEC 2941	Montessori Practicum II	3
HSC 2100	Health Concepts & Strategies	3
SYG 2430	Marriage & Family	3
<b>Total</b>		<b>15</b>

		A.S./A.A.S. Programs
<b>PRE-SCHOOL TRACK (AS 2342)</b>		
<b>Course #</b>	<b>Title</b>	<b>Hours</b>
<b>General Education Requirements</b>		
ENC 1101	College Composition I	3
HSC 2100	Health Concepts & Strategies	3
PSY 2012	General Psychology	3
	Any course from Humanities - Area II	3
	Any course from Natural Sciences - Area IV	3
<b>Total General Education Credits Required</b>		<b>15</b>
<b>Required Courses</b>		
DEP 2102	Child Growth and Development	3
EDF 1030	Behavior	

A.S./A.A.S. Programs		
Programming Language Electives (3 Hours Required)		
COP 1165C Programming RPG 400	3	Any course from Social Science - Area V
COP 1220 Introduction to Programming in C	3	Total General Education Credits Required ..... 15
CGS 1332 Visual Basic Programming	3	
COP 2120C Programming COBOL	3	<b>Required Courses</b>
COP 2121C COBOL Applications	3	CGS 1570 Microcomputer Applications
COP 2334 Programming in C++	3	CIS 2321 Systems and Applications
COP 2800 Programming in Java	3	COP 1002 Structured Programming
<b>Total Elective Credits Required .....</b>	<b>3</b>	ECO 2013 Principles of Macroeconomics
<b>Technical Electives (7 Hours Required)</b>		MNA 2100 Human Relations in Business
CGS 1561 Inside the PC	1	SPC 1016 Fundamentals of Speech Communication
CGS 1565 Microcomputer Operating Systems	3	<b>Total Required Course Credits ..... 18</b>
CGS 2555 Introduction to the Internet	3	
COP 2341 UNIX Operating System	3	
COP 2822 Web Page Design	1	
<b>Total Elective Credits Required .....</b>	<b>7</b>	
<b>Total Program Hours .....</b>	<b>63</b>	
Suggested Course Sequence		
Term One	CGS 1570 Microcomputer Applications	3
	ENC 1101 College Composition I	3
	GEB 1011 Introduction to Business	3
	MGF 1106 Liberal Arts Mathematics	3
	- or -	
MGF 1107 Finite Mathematics (A.S. students)	3	COP 1165C Programming RPG 400
MAT 1033 Intermediate Algebra (A.A.S. students)	(3)	COP 1220 Introduction to Programming in C
SPC 1016 Fundamentals of Speech Communication	3	COP 1332 Visual Basic Programming
<b>Total</b>	<b>15</b>	COP 2120C Programming COBOL
Term Two	COP 2121C COBOL Applications	3
	COP 2334 Programming in C++	3
	COP 2800 Programming in Java	3
	<b>Total Elective Credits Required .....</b>	<b>12</b>
	<b>Total</b>	
Term Three	COP 1002 Structured Programming	3
	ENC 1101 College Composition I (AS students)	3
	ENC 1151 Applied Communications (A.A.S. students)	(3)
	MGF 1106 Liberal Arts Mathematics (AS students)	
	<b>Total</b>	
Term Four	CGS 1565 Microcomputer Operating Systems	3
	CGS 2555 Introduction to the Internet	3
	OST 1811 Desktop Publishing	3
	Business/Computer/Elective	3
	Any course from Humanities - Area II	3
<b>Total</b>	<b>15</b>	
PROGRAMMING TRACK (AAS A133/AS 2126)		
Course # Title Hours		
General Education Requirements		
ENC 1101 College Composition I (A.S. students)	3	
ENC 1151 Applied Communications (A.A.S. students)	(3)	
HSC 2100 Health Concepts & Strategies	3	
MGF 1106 Liberal Arts Mathematics (A.S. students)		
- or -		
MGF 1107 Finite Mathematics (A.S. students)	3	
MAT 1033 Intermediate Algebra(A.A.S. students)	(3)	
Any course from Humanities - Area II	3	
<b>Total</b>	<b>15</b>	

A.S./A.A.S. Programs		
A.S./A.A.S. Programs		
Term Three	CGS 1561 Inside the PC	3
	CIS 2321 Systems and Applications	3
	COP 1332 Visual Basic Programming	3
	GEB 1011 Introduction to Business	3
	Technical/Programming Language Electives	6
<b>Total</b>	<b>18</b>	
Term Four	COP 1220 Introduction to Programming in C	3
	HSC 2100 Health Concepts & Strategies	3
	MNA 2100 Human Relations in Business	3
	Business/Computer/Technical Elective	3
	Any course from Humanities - Area II	3
<b>Total</b>	<b>15</b>	
NETWORK TRACK (AAS A131/AS 2123)		
Course # Title Hours		
General Education Requirements		
ENC 1101 College Composition I (AS students)	3	
ENC 1151 Applied Communications (A.A.S. students)	(3)	
HSC 2100 Health Concepts & Strategies	3	
MGF 1106 Liberal Arts Mathematics (A.S. students)		
- or -		
MGF 1107 Finite Mathematics (A.S. students)		
- or -		
Any course from Natural Sciences - Area IV (A.S. students)	3	
MAT 1033 Intermediate Algebra (A.A.S. students)	(3)	
SPC 1016 Fundamentals of Speech Communication	3	
<b>Total</b>	<b>15</b>	
Term Two	CEN 2503 Local Area Networks	3
	CEN 2504 Wide Area Networks	3
	CEN 2507 TCP/IP and Network Administration	3
	CEN 2522 Networking Technologies	3
	CGS 1565 Microcomputer Operating Systems	3
<b>Total General Education Credits Required .....</b>	<b>15</b>	
Required Courses		
Term Three	CEN 2503 Local Area Networks	3
	CEN 2504 Wide Area Networks	3
	CEN 2507 TCP/IP and Network Administration	3
	CEN 2522 Networking Technologies	3
	CGS 1565 Microcomputer Operating Systems	3
<b>Total Required Course Credits .....</b>	<b>33</b>	
Business Computer Electives (11 Hours Electives)		
Term Four	ACG 2022 Financial Accounting	4
	APA 1111 Bookkeeping I	3
	CGS 1513 Electronic Spreadsheets	3
	CGS 1543 Database Management	3
	COP 1165C Programming RPG 400	3
<b>Total Elective Credits Required .....</b>	<b>11</b>	

## Criminal Justice Technology - Corrections and Law Enforcement (AAS/AS/TPA)

### LIMITED ACCESS FOR THE ACADEMIES

This program is designed to provide educational and practical experiences for students and corrections or law enforcement officers to advance in their careers. Students who are not certified officers in Florida must complete the degree requirements of 64 semester hours. Those students cannot use the courses with the CJD prefix for the degree. The police and corrections academies are limited access programs. Contact the Criminal Justice Institute regarding admission requirements.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Palm Beach County School District Tech Prep students may qualify to receive credit after the completion of 15 semester hours of college work with a C average or better. All General Education requirement courses must be completed with a grade of C or higher to apply to A.A.S. and A.S. degree programs. Students must present evidence of Tech Prep coursework to the PBCC registrar upon entrance into a college program.

### SPECIAL ADMISSIONS REQUIREMENTS

Students must have a minimum 2.0 GPA to be admitted into this program. Students who wish to be admitted to the Academy should seek counseling from the Criminal Justice Institute. Those who wish to be admitted to the A.A.S. or A.S. degree program should seek counseling from the Criminal Justice/Public Safety Department.

Note: Non-Academy students must take the General Education requirements, the required courses and at least two of the electives. The remaining 25 credits to equal 64 credits can be completed with General Education courses, Criminal Justice courses and/or A.A. courses. Students must see an academic or program advisor to create an academic plan.

### LAW ENFORCEMENT OFFICER TRACK

#### (AAS A608/AS 2606)

Course # Title

Hours

#### General Education Requirements

ENC 1101	College Composition 1	3
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics (A.S. students)	3
MAT 1033	Intermediate Algebra (A.A.S. students)	(3)
	Any course from Humanities - Area II	3
	Any course from Natural Sciences - Area IV	3
	Any course from Social Science - Area V	3
<b>Total General Education Credits Required</b>		<b>18</b>

#### Required Courses

CCJ 1010	Introduction to Criminology	3
CCJ 1020	Administration of Criminal Justice	3
CCJ 1400	Police Administration I	3

### A.S./A.A.S. Programs

CCJ 2210	Criminal Law	3
CCJ 2500	Juvenile Delinquency	3
<b>Total Required Course Credits</b>		<b>15</b>
<b>Required Track Courses</b>		
CJD 1254L	Medical First Responder	1
CJD 1700	Criminal Justice Legal I	3
CJD 1701	Criminal Justice Legal II	3
CJD 1720	Law Enforcement Legal III	2
CJD 1702	Criminal Justice Communications - Law Enforcement	3
CJD 1713C	Interpersonal Skills I - Law Enforcement	3
CJD 1724C	Law Enforcement Investigations	3
CJD 1721C	Law Enforcement Patrol	3
HLP 1081	Physical Fitness I	1
<b>Total Track Required Course Credits</b>		<b>22</b>

#### Electives (9 Hours Required)

CCJ 1191	Introduction to Human Behavior and the Criminal Justice Practitioner	3
CCJ 1250	Introduction to Constitutional Law	3
CCJ 1401	Police Administration II	3
CCJ 2230	Laws of Evidence	3
CCJ 2231	Law of Arrest, Search & Seizure	3
CCJ 2330	Principles of Probation and Parole	3
CCJ 2940C	Criminal Justice Intern Program	4
CJT 2100	Criminal Investigation	3
CJT 2140	Introduction to Criminalistics	3
<b>Total Elective Credits Required</b>		<b>9</b>
<b>Total Program Hours</b>		<b>64</b>

#### Suggested Course Sequence

##### Term One

CCJ 1010	Introduction to Criminology	3
CCJ 1400	Police Administration I	3
ENC 1101	College Composition I	3
MGF 1106	Liberal Arts Mathematics (A.S. students)	3
MAT 1033	Intermediate Algebra (A.A.S. students)	(3)
	Any course from Social Science - Area V	3
<b>Total</b>		<b>15</b>

##### Term Two

CCJ 1020	Administration of Criminal Justice	3
CCJ 2210	Criminal Law	3
CCJ 2500	Juvenile Delinquency	3
HSC 2100	Health Concepts & Strategies	3
	Any course from Humanities - Area II	3
	Any course from Natural Sciences - Area IV	3
<b>Total</b>		<b>18</b>

##### Term Three

CJD 1700	Criminal Justice Legal I	3
CJD 1702	Criminal Justice Communications - Law Enforcement	3
CJD 1713C	Interpersonal Skills I - Law Enforcement	3
HLP 1081	Physical Fitness I	1
	Electives (2)	6
<b>Total</b>		<b>16</b>

##### Term Four

CJD 1254L	Medical First Responder	1
CJD 1701	Criminal Justice Legal II	3
CJD 1721C	Law Enforcement Patrol	3
CJD 1724C	Law Enforcement Investigations	3
CJD 1720	Law Enforcement Legal III	2
	Elective	3
<b>Total</b>		<b>15</b>

### A.S./A.A.S. Programs

#### CORRECTIONS OFFICER TRACK (A.A.S. A607/A.S. 2605)

Course # Title Hours

#### General Education Requirements

ENC 1101	College Composition 1	3
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics (A.S. students)	3
MAT 1033	Intermediate Algebra (A.A.S. students)	(3)
	Any course from Humanities - Area II	3
	Any course from Natural Sciences - Area IV	3
	Any course from Social Science - Area V	3
<b>Total General Education Credits Required</b>		<b>18</b>

#### Required Courses

CCJ 1010	Introduction to Criminology	3
CCJ 1020	Administration of Criminal Justice	3
CCJ 1400	Police Administration 1	3
CCJ 2210	Criminal Law	3
CCJ 2500	Juvenile Delinquency	3
<b>Total Required Course Credits</b>		<b>15</b>

#### Required Track Courses

CJD 1254L	Medical First Responder	1
CJD 1700	Criminal Justice Legal I	3
CJD 1772	Criminal Justice Communications - Corrections	3
CJD 1703C	Interpersonal Skills I - Corrections	3
CJD 1740	Interpersonal Skills II - Corrections	3
CJD 1742	Corrections Operation	3
CJT 1771	Corrections Legal II	1
HLP 1081	Physical Fitness I	1
<b>Total Track Required Course Credits</b>		<b>18</b>

#### Electives (13 Hours Required)

CCJ 1191	Introduction to Human Behavior and the Criminal Justice Practitioner	3
CCJ 1250	Introduction to Constitutional Law	3
CCJ 1401	Police Administration II	3
CCJ 2230	Laws of Evidence	3
CCJ 2231	Law of Arrest, Search & Seizure	3
CCJ 2330	Principles of Probation and Parole	3
CCJ 2940C	Criminal Justice Intern Program	4
CJT 2100	Criminal Investigation	3
CJT 2140	Introduction to Criminalistics	3
<b>Total Elective Credits Required</b>		<b>9</b>
<b>Total Program Hours</b>		<b>64</b>

#### Suggested Course Sequence

##### Term One

CCJ 1010	Introduction to Criminology	3




<tbl\_r cells="3" ix="

## Drafting and Design Technology (AAS A169/AS 2178/TPA)

This program prepares the student for employment in the field of technical graphical representation. Course content provides the basics of drafting practice and techniques.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Palm Beach County School District Tech Prep students may qualify to receive credit after the completion of 15 semester hours of college work with a C average or better. All General Education requirement courses must be completed with a grade of C or higher to apply to A.S. and A.S. degree programs. Students must present evidence of Tech Prep coursework to the PBCC Registrar upon entrance into a college program.

Course #	Title	Hours
<b>General Education Requirements</b>		
ENC1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students) (3)	3
HSC 2100	Health Concepts & Strategies	3
MAC 1105	College Algebra	3
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3
	Any course from Social Science - Area V	3
<b>Total General Education Credits Required</b>		<b>15</b>

Required Courses	Hours
BCN 1210 Building Construction Materials	3
BCN 2253C Architectural Drafting	3
ENC 1151 Applied Communications (A.S. students)	0/3
ETD 1100C Introduction to Technical Drawing	3
ETD 1320C Introduction to Computer Drafting	3
ETD 1461C Mechanical Design I	4
ETD 1528 Mechanical Design II	3
ETD 1614C Electronic Drafting	3
ETD 1620C Electrical Drafting	3
ETD 2350C Advanced Computer Drafting	3
ETI 2633 Industrial Relationships	3
MAC 1114 Trigonometry	3
PHY 1001 Applied Physics	4
SUR 1101C Basic Surveying and Mapping	4
<b>Total Required Course Credits</b>	<b>42/45</b>

Electives	Hours
(A.A.S. students select 5 credits and A.S. students select 2 credits)	
ETD 2331C AutoLISP	2
ETD 2332C Customizing AutoCAD	2
ETD 2352C Modeling in 3D	2
ETD 2355C Three-Dimensional CAD	3
ETD 2377C 3D Studio Max I	3
ETD 2378C 3D Studio Max II	3
<b>Total Elective Credits</b>	<b>5/2</b>
<b>Total Program Hours</b>	<b>62</b>

### Suggested Course Sequence

Term One	Hours
ENC 1101 College Composition I (A.S. students)	3
ENC 1151 Applied Communications (A.A.S. students) (3)	3

### A.S./A.A.S. Programs

ETD 1100C Introduction to Technical Drawing	3
ETD 1320C Introduction to Computer Drafting	3
ETD 1620C Electrical Drafting	3
MAC 1105 College Algebra	3
<b>Total</b>	<b>15</b>

#### Term Two

ENC 1151 Applied Communications (A.S. students)	0/3
ETD 1614C Electronic Drafting	3
ETD 2350C Advanced Computer Drafting	3
ETI 2633 Industrial Relationships	3
MAC 1114 Trigonometry	3
Elective (A.A.S. students)	3/0
<b>Total</b>	<b>15</b>

#### Term Three

BCN 1210 Building Construction Materials	3
BCN 2253C Architectural Drafting	3
ETD 1461C Mechanical Design I	4
HSC 2100 Health Concepts & Strategies	3
Any course from Humanities - Area II	3
Any course from Social Sciences - Area V	3
<b>Total</b>	<b>16</b>

#### Term Four

ETD 1528 Mechanical Design II	4
PHY 1001 Applied Physics	3
SUR 1101C Basic Surveying and Mapping	4
Any course from Social Sciences - Area V	3
Elective	2
<b>Total</b>	<b>16</b>

## Electronics Engineering Technology (AAS A166/TPA)

This program is designed to prepare the student to enter the electronic technology field and assist in the design, production, operation and servicing of electronic systems and equipment. The graduate of this program may assist professional engineers in laboratories, become a tester or inspector on an assembly line or apply their knowledge to practical problems of design and construction on research development.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Palm Beach County School District Tech Prep students may qualify to receive credit after the completion of 15 semester hours of college work with a C average or better. All General Education requirement courses must be completed with a grade of C or higher to apply to A.A.S. degree programs. Students must present evidence of Tech Prep coursework to the PBCC registrar upon entrance into a college program.

This program is currently under revision, and the prospective student should see the program advisor prior to enrolling in classes.

Course #	Title	Hours
----------	-------	-------

### General Education Requirements

ENC 1101 College Composition I	3
HSC 2100 Health Concepts & Strategies	3
MAT 1033 Intermediate Algebra	3
Any course from Humanities - Area II	3
Any course from Social Science - Area V	3
<b>Total General Education Credits Required</b>	<b>15</b>

### A.S./A.A.S. Programs

#### Required Courses

CET 1123C Microprocessors	4
CET 2112C Logic Circuits	4
EET 1015 DC Circuit Analysis	3
EET 1015L DC Circuit Analysis Laboratory	1
EET 1025 AC Circuit Analysis	3
EET 1025L AC Circuit Analysis Laboratory	1
EET 2121 Electronics I	3
EET 2121L Electronics I Laboratory	1
EET 2122 Electronics II	3
EET 2122L Electronics II Laboratory	1
EET 2322C Communication Electronics - or -	

EST 2541C Servo-Mechanisms and Instrumentation	4
EET 2515C AC and DC Motors/Generators	4
ENC 1151 Applied Communications	3
EST 2542C Programmable Controllers	3
ETD 1620C Electrical Drafting	3
ETI 2633 Industrial Relationships	3
MAC 1114 Trigonometry	3
PHY 1001 Applied Physics	3
<b>Total Required Course Credits</b>	<b>50</b>

#### Electives (Choose one)

ETD 1320C Introduction to Computer Drafting	3
ETD 2350C Advanced Computer Drafting	3
<b>Total Elective Credits Required</b>	<b>3</b>
<b>Total Program Hours</b>	<b>68</b>

### Suggested Course Sequence

#### Term One (Fall)

CET 2112C Logic Circuits	4
EET 1015 DC Circuit Analysis	3
EET 1015L DC Circuit Analysis Laboratory	1
ENC 1101 College Composition I	3
MAT 1033 Intermediate Algebra	3
<b>Total</b>	<b>14</b>

#### Term Two (Spring)

CET 1123C Microprocessors	4
EET 1025 AC Circuit Analysis	3
EET 1025L AC Circuit Analysis Laboratory	1
ENC 1151 Applied Communications	3
ETD 1620C Electrical Drafting	3
MAC 1114 Trigonometry	3
<b>Total</b>	<b>17</b>

#### Term Three (Summer)

PHY 1001 Applied Physics	3


<tbl\_r cells="2" ix="2" maxc

**Internships**

*Note: Students are required to participate in three internships. Completion of prerequisite courses and consultation with program leader is required prior to enrollment in internships.*

FIL 2271L	Camera Internship	1
FIL 2272L	Lighting Internship	1
FIL 2273L	Gripping Internship	1
FIL 2275L	Sound Internship	1
FIL 2940L	Editing and Post Production Internship	1
<b>Total Internship Credits Required</b>		<b>3</b>
<b>Total Program Hours</b>		<b>64</b>

**Suggested Course Sequence**

<b>Term One</b>	
ENC 1101	College Composition I
HSC 2100	Health Concepts & Strategies
PGY 1401C	Introduction to Photography
TPA 1200	Stagecraft I
	Any course from Humanities - Area II
<b>Total</b>	<b>15</b>

<b>Term Two</b>	
FIL 1200	Motion Picture and Television Production I
FIL 2100	Writing for Film and Television
RTV 2000	Fundamentals of Television Production
SYG 2000	Introduction to Sociology
TPA1211	Advanced Stagecraft
<b>Total</b>	<b>15</b>

<b>Term Three (Summer)</b>	
	Any course from Natural Sciences - Area IV
<b>Total</b>	<b>3</b>

<b>Term Three</b>	
FIL 2211C	Editing and Post Production
FIL 2271C	Camera Techniques
FIL 2272C	Lighting Techniques
FIL 2275C	Sound
	Any course from Mathematics - Area III
<b>Total</b>	<b>15</b>

<b>Term Four</b>	
FIL 1620C	Computer Applications for Film, Television and Video
FIL 2202C	Motion Picture and Television Production II
FIL 2273C	Gripping
RTV 2300C	Introduction to Broadcast Journalism Internships
<b>Total</b>	<b>16</b>

**A.S./A.A.S. Programs****Fire Science Technology (AS 2195)**

This program is designed for the student who is currently serving as a firefighter and wishes to advance in various fire service areas.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

**Course # Title Hours****General Education Requirements**

ENC 1101	College Composition I	3
POS 2112	American State and Local Government - or - Any course from Social Science - Area V	3
SPC 1016	Fundamentals of Speech Communication Any course from Humanities - Area II	3
	Any course from Humanities - Area IV	3
<b>Total General Education Credits Required</b>		<b>15</b>

**Required Courses**

CGS 1570	Microcomputer Applications	3
FFP 1200	Fire Prevention	3
FFP 2100	Fire Service Administration	3
FFP 2130	Company Officer Leadership I	3
FFP 2150	Fire Science Instructional Methodology	3
FFP 2320	Building Construction for Fire Protection	3
FFP 2410	Fire Service Tactics and Strategies	3
FFP 2500	Hazardous Materials for Emergency Operations	3
MNA 2303	Introduction to Public Personnel Management	3
MTB 1103	Business Mathematics - or - Any course from Mathematics - Area III	3
<b>Total Required Course Credits</b>		<b>30</b>

**Electives (Choose five)**

FFP 1600	Fire Apparatus and Equipment	3
FFP 1620	Private Fire Protection Systems	3
FFP 1640	Fire Hydraulics	3
FFP 2101	Advanced Fire Service Administration	3
FFP 2135	Company Officer Leadership II	3
FFP 2240	Fire Investigation and Arson Detection	3
FFP 2300	Related Fire Codes and Standards	3
FFP 2326	Blueprint Reading and Plans Examination	3
FFP 2501	Hazardous Materials for Emergency Operations II	3
HSC 2100	Health Concepts & Strategies	3
<b>Total Elective Credits Required</b>		<b>15</b>
<b>Total Program Hours</b>		<b>60</b>

**Suggested Course Sequence****Term One**

ENC 1101	College Composition I	3
FFP 1200	Fire Prevention	3
FFP 1620	Private Fire Protection Systems	3
MTB 1103	Business Mathematics	3
POS 2112	American, State or Local Government	3
<b>Total</b>		<b>15</b>

**A.S./A.A.S. Programs****Term Two**

FFP 2100	Fire Service Administration	3
FFP 2300	Related Fire Codes and Standards	3
MNA 2303	Introduction to Public Personnel Management	3
SPC 1016	Fundamentals of Speech Communication	3
	Any course from Natural Sciences - Area IV	3
<b>Total</b>		<b>15</b>

**Term Three**

CGS 1570	Microcomputer Applications	3
FFP 2130	Company Officer Leadership I	3
FFP 2150	Instructional Methodology	3
FFP 2320	Building Construction for Fire Protection	3
	Any course from Humanities - Area II	3
<b>Total</b>		<b>15</b>

**Term Four**

FFP 2135	Company Officer Leadership II	3
FFP 2240	Fire Investigation and Arson Detection	3
FFP 2326	Blueprint Reading and Plans Examination	3
FFP 2410	Fire Service Tactics and Strategies	3
FFP 2500	Hazardous Materials for Emergency Operations	3
<b>Total</b>		<b>15</b>

**Graphic Design Technology (AAS A018/AS 2011)**

This program is designed to prepare the student to enter the graphic design field. Each student will develop a portfolio, crucial for employment, while enrolled in the program.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Palm Beach County School District Tech Prep students may qualify to receive credit after the completion of 15 semester hours of college work with a C average or better. All General Education requirement courses must be completed with a grade of C or higher to apply to A.A.S. and A.S. degree programs. Students must present evidence of Tech Prep coursework to the PBCC Registrar upon entrance into a college program.

**SPECIAL ADMISSIONS REQUIREMENTS**

Graphic Design Transfer Students: Approval of transferred courses by graphic design instructors. Graphic design advisors may use portfolio review to determine placement.

Program/Interview Counseling: Students are required to seek advisement from graphic design instructors to be sure they will take the necessary courses to graduate on schedule.

Special Notes: Students are encouraged to enroll in GRA 2940, Graphic Design Internship, in order to gain experience and a better understanding of the graphics industry. Students must have a 3.0 minimum GPA in all graphic design coursework, have finished all other required courses for the Graphic Design A.A.S. or A.S. program and have permission of graphic design department chair.

A grade of C or higher is required to advance in the program.

All Macintosh computer courses need to be taken within five years of graduation or need to be repeated. For exceptions, see department chair.

**Course # Title Hours****General Education Requirements**

ARH 1000	Art Appreciation	3
ENC 1101	College Composition I (A.S. students)	0/3
ENC 1151	Applied Communications (A.A.S. students)	3/0
ENC 1102	College Composition II (A.S. students)	0/3
HSC 2100	Health Concepts & Strategies	3
MAC 1105	College Algebra (A.S. students)	0/3
MTB 1103	Business Mathematics (A.A.S. students)	3/

ART 2232C	Portfolio Composition	3
GRA 1530C	Typography	3
GRA 2121C	Macintosh Publishing I	3
GRA 2151C	Macintosh Illustration I	3
GRA 2800C	Introduction to Macintosh Graphics	3
GRA 2811C	Macintosh Image Creation I	3
PGY 1401C	Introduction to Photography	3
<b>Total Required Course Credits</b>		<b>.33</b>
<b>Graphic Design Electives</b>		
(Choose 16 credits for A.A.S. and 13 credits for A.S.)		
ART 1205C	Color Design	3
ART 1301C	Intermediate Drawing	3
CGS 1060	PC Starter	1
GRA 2152C	Macintosh Illustration II	3
GRA 2812C	Macintosh Image Creation II	3
GRA 2122C	Macintosh Publishing II	3
GRA 2940	Graphic Design Internship	3
<b>Total Graphic Design Elective Credits</b>		<b>16/13</b>
<b>Total Program Hours</b>		<b>.64</b>
<b>Suggested Course Sequence</b>		
The following sequence is a guide. Students must meet with a graphic design instructor to determine their specific sequence based on the rotation schedule of classes and when they start the program. Students should be prepared to take summer classes.		
<b>Term One</b>		
ART 1201C	Design Fundamentals	3
ART 1300C	Drawing Fundamentals	3
GRA 1530C	Typography	3
GRA 2800C	Introduction to Macintosh Graphics	3
	Graphic Design General Education course	3
<b>Total</b>		<b>15</b>
<b>Term Two</b>		
PGY 1401C	Introduction to Photography	3
ART 1230C	Graphic Design I	3
GRA 2151C	Macintosh Illustration I	3
	Graphic Design General Education course	6
<b>Total</b>		<b>15</b>
<b>Term Three</b>		
GRA 2121C	Macintosh Publishing I	3
GRA 2811C	Macintosh Image Creation I	3
ART 2231C	Graphic Design II	3
	Graphic Design General Education course (A.S. students)	0/3
	Graphic Design elective (A.A.S. 6 credits, A.S. 3 credits)	6/3
<b>Total</b>		<b>15</b>
<b>Term Four</b>		
CGS 1060	PC Starter	1
ART 2232C	Portfolio Composition	3
	Graphic Design General Education courses	3
	Graphic Design electives	9
<b>Total</b>		<b>16</b>
<b>Term Five (Summer)</b>		
GRA 2940	Graphic Design Internship	3
<b>Total</b>		<b>3</b>

## Hospitality Management

### (AAS A100/AS 2060/TPA)

This program is designed for the student seeking a management career in the hospitality industry as well as other allied fields. The degree candidate will follow one of the two subject tracks described below which will address his/her particular need or interest.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Palm Beach County School District Tech Prep students may qualify to receive credit after the completion of 15 semester hours of college work with a C average or better. All General Education requirement courses must be completed with a grade of C or higher to apply to A.A.S. and A.S. degree programs. Students must present evidence of Tech Prep coursework to the PBCC Registrar upon entrance into a college program.

<b>HOTEL/MOTEL TRACK</b>		
<b>Course #</b>	<b>Title</b>	<b>Hours</b>
<b>General Education Requirements</b>		
ARH 1000	Art Appreciation *	3
BSC 1050	Environmental Conservation *	3
ENC 1101	College Composition I	3
ENC 1102	College Composition II (Not required for A.A.S. students)	0/3
SPC 1016	Fundamentals of Speech Communication	3
SYG 2000	Introduction to Sociology *	3
<b>Total General Education Credits Required</b>		<b>15/18</b>

\* See department chair.

<b>Required Courses</b>		
<b>Course #</b>	<b>Title</b>	<b>Hours</b>
ACG 2022	Financial Accounting	4
CGS 1570	Microcomputer Applications	3
FOS 1201	Food Service Sanitation	2
FSS 1220	Professional Cooking	2
FSS 1220L	Professional Cooking Lab	1
FSS 1221C	Quantity Food Production I	4
FSS 2500	Food and Beverage Cost Control	3
HFT 1850C	Dining Room Management	3
HFT 2220	Personnel Management Practices	3
<b>Total Required Course Credits</b>		<b>.25</b>

<b>Required Hotel/Motel Track Courses</b>		
<b>Course #</b>	<b>Title</b>	<b>Hours</b>
HFT 1000	Introduction to the Hospitality Business	3
HFT 1630	Management of Security in the Hospitality Business	3
HFT 2300	Housekeeping Management	3
HFT 2410	Hotel-Motel Front Office Administration	3
<b>Total Track Required Course Credits</b>		<b>.12</b>

<b>Electives</b>		
(A.A.S. students take 12 hours, A.S. students take 9 hours.)		
BUL 2241	Business Law I	3
FSS 1100	Menu Planning and Merchandising	3
FSS 1222C	Quantity Food Production II	4
FSS 1270	Understanding Wine and Spirits	3

FSS 2249C	Pastry and Garde Manger II	4
HFT 1630	Management of Security in the Hospitality Business	3
HFT 1700	Tourism and the Hospitality Industry	3
HFT 1949C	Co-op: Hospitality Management I	3
HFT 2434	Club Management	3
HFT 2510	Sales Promotion and Advertising in Hotels and Food Service Establishments	3
HFT 2949C	Co-op: Hospitality Management II	3
<b>Total Elective Credits Required</b>		<b>.12/.9</b>

The student may take classes from the opposite track as electives except FSS 1300 and HFT 1000.

**Total Program Hours**

**.64**

## Suggested Course Sequence

### Term One

FOS 1201	Food Service Sanitation	2
HFT 1000	Introduction to Hospitality Business	3
HFT 1850C	Dining Room Management	3
HFT 2220	Personnel Management Practices	3
	Hospitality Management Elective	
	- or -	
	Hospitality Management General Education	4
	<b>Total</b>	<b>16</b>

### Term Two

ACG 2022	Financial Accounting	4
FSS 1220	Professional Cooking I	2
FSS 1220L	Professional Cooking Lab	1
FSS 2100	Purchasing for the Hospitality Industry	3
HFT 2300	Housekeeping Management	3
	Hospitality Management Elective	
	- or -	
	Hospitality Management General Education course	3
	<b>Total</b>	<b>16</b>

### Term Three and Term Four

Meet with department chair to determine future classes depending on chosen track.

## RESTAURANT TRACK

<b>Course #</b>	<b>Title</b>	<b>Hours</b>
<b>General Education Requirements</b>		
ARH 1000	Art Appreciation *	3
BSC 1050	Environmental Conservation *	3
ENC 1101	College Composition I	3
ENC 1102	College Composition II (Not required for A.A.S. students)	0/3
SPC 1016	Fundamentals of Speech Communication	3
SYG 2000	Introduction to Sociology *	3
<b>Total General Education Credits Required</b>		<b>.15/.18</b>

\* See department chair.

## Required Courses

ACG 2022	Financial Accounting	4
CGS 1570	Microcomputer Applications	3
FOS 1201	Food Service Sanitation	2
FSS 1220	Professional Cooking	2

**Total Track Required Course Credits**

**.25**

## Term Three and Term Four

Meet with program leader to determine future classes depending on chosen track.

FSS 1220L	Professional Cooking Lab	1




<tbl\_r cells="3

**Human Services (AAS A353/AS 2345)**

This program is designed to prepare the student for an entry-level position as a human services specialist in areas such as children's services, family counseling, working with juveniles and adolescents, drug and alcohol abuse, the elderly, socially and economically handicapped, mentally or emotionally handicapped and others. Course content includes supervised clinical fieldwork experiences.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Course #	Title	Hours
<b>General Education Requirements</b>		
ARH 1000	Art Appreciation - or - Music Appreciation	3
MUL 1010	Theater Appreciation	3
ENC 1101	College Composition I	3
MGF 1106	Liberal Arts Mathematics (A.S. students)	3
MTB 1103	Business Mathematics (A.A.S. students)	(3)
PSY 2012	General Psychology	3
SPC 1016	Fundamentals of Speech Communication	3
	Any course from Natural Sciences - Area IV	3
<b>Total General Education Credits Required</b>		<b>18</b>
<b>Required Courses</b>		
CLP 2002	Personality Development	3
DEP 2102	Child Growth and Development	3
ENC 1102	College Composition II (A.S. students)	3
CGS 1565	Microcomputer Operating System (or above for A.A.S. students)	(3)
HSC 1400	Standard First Aid and CPR	1
HUS 1001	Introduction to Human Services	3
HUS 1100	Counseling and Interviewing	3
HUS 1200	Principles of Group Dynamics	3
GEY 2000	Gerontology - or - Counseling the Chemically Dependent Person	3
HUS 1531		3
HSC 2100	Health Concepts & Strategies	3
HUS 1850	Field Work in Human Services I	2
HUS 1850L	Field Work in Human Services I Internship	3
HUS 2520	Psychotherapy: Theory & Practice	3
HUS 2851	Field Work in Human Services II	2
HUS 2851L	Field Work in Human Services II Internship	3
SYG 2000	Introduction to Sociology	3
SYG 2361	Death and Dying	3
SYG 2430	Marriage and Family	3
<b>Total Required Course Credits</b>		<b>47</b>
<b>Total Program Hours</b>		<b>65</b>

**Suggested Course Sequence**

Term One	ENC 1101	College Composition I	3
	HSC 2100	Health Concepts & Strategies	3
	PSY 2012	General Psychology	3
	SYG 2000	Introduction to Sociology	3
		Any course from Humanities - Area II	3
	<b>Total</b>		<b>15</b>
Term Two	ENC 1102	College Composition II (A.S. students)	3
	CGS 1565	Microcomputer Operating Systems (or above for A.A.S. students)	(3)
	HUS 1001	Introduction to Human Services	3
	MGF 1106	Liberal Arts Mathematics (A.S. students)	3
	MTB 1103	Business Mathematics (A.A.S. students)	(3)
	SYG 2361	Death and Dying	3
		Any course from Natural Sciences - Area IV	3
	<b>Total</b>		<b>15</b>
Term Three	DEP 2102	Child Growth and Development	3
	HUS 1100	Counseling and Interviewing	3
	HUS 1850	Field Work and Human Services I	2
	HUS 1851L	Field Work and Human Services I Internship	3
	SPC 1016	Fundamentals of Speech Communication	3
	SYG 2430	Marriage and Family	3
	<b>Total</b>		<b>17</b>
Term Four	CLP 2002	Personality Development	3
	HSC 1400	Standard First Aid and CPR	1
	HUS 1200	Principles of Group Dynamics	3
	HUS 1531	Counseling the Chemically Dependent Person	3
	HUS 2520	Psychotherapy: Theory & Practice	3
	HUS 2851	Field Work in Human Services II	2
	HUS 2851L	Field Work in Human Services II Internship	3
	<b>Total</b>		<b>18</b>

**Industrial Management Technology (AAS A194/AS 2193/TPA)**

This program is designed to provide additional competencies for administrative, managerial, supervisory and technical discipline areas for the individual who has mastered technical proficiencies from prior training programs or work experience.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Palm Beach County School District Tech Prep students may qualify to receive credit after the completion of 15 semester hours of college work with a C average or better. All General Education requirement courses must be completed with a grade of C or higher to apply to A.A.S. and A.S. degree programs. Students must present evidence of Tech Prep coursework to the PBCC Registrar upon entrance into a college program.

**Course # Title Hours****General Education Requirements**

ENC 1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students)	(3)
GEB 1011	Introduction to Business	3
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics (A.S. students)	3
MTB 1103	Business Mathematics (A.A.S. students)	(3)
MNA 2100	Human Relations in Business	3
<b>Total</b>		<b>15</b>

**Total General Education Credits Required****15****Required Courses**

SPC 1016	Fundamentals of Speech Communication	3
MNA 2100	Human Relations in Business	3

**Total Required Course Credits****6****Electives**

BCT 2705	Construction Supervision Procedure	3
BUL 2241	Business Law I	3
BUL 2242	Business Law II	3
CGS 1570	Microcomputer Applications	3
ETI 2131	Statistical Process Control	3
ETI 2133	Advanced Statistical Process Control	3
GEB 1011	Introduction To Business	3
MAN 2021	Principles of Management	3
MAN 2800	Small Business Management	3
MNA 2345	Principles of Supervision Business Electives *	3
	Technical Core Electives**	6

**Total Elective Credits Required****39****Total Program Hours****60**

\* Business electives: Select from areas of Accounting, Business, Computer Science, Economics, Legal Technology, Office Systems Technology and Real Estate.

\*\* Technical Core Electives: Minimum of 8 credits and maximum of 27 credits may be selected using courses with any of the following prefixes: ACR, BCA, BCN, BCV, CET, CGS, EET, EGN, EGS, ETD, ETG, ETM, ETI, PMT, SUR.

Note: A maximum of 24 credits toward the 60 credits required for this degree may be awarded for experiential learning.

**Suggested Course Sequence- Managerial Supervisory Core****Term One**

ENC 1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students)	(3)
GEB 1011	Introduction to Business	3
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics (A.S. students)	3
MTB 1103	Business Mathematics (A.A.S. students)	(3)
MNA 2100	Human Relations in Business	3
<b>Total</b>		<b>15</b>

**Term Two**

BCT 2705	Construction Supervision Procedure	3
CGS 1570	Microcomputer Applications	3
SPC 1016	Fundamentals of Speech Communication	3
MAN 2021	Principles of Management	3
MAN 2800	Small Business Management	3
<b>Total</b>		<b>15</b>

**Term Three**

BUL 2241	Business Law I	3
ETI 2131	Statistical Process Control	3
MNA 2345	Principles of Supervision	3
	Any course from Social Science - Area V	3
	Business Elective *	3
<b>Total</b>		<b>15</b>

**Term Four**

BUL 2242	Business Law II	3
ETI 2133	Advanced Statistical Process Control	3
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3
	Technical Core Courses **	6
<b>Total</b>		<b>15</b>

**Suggested Course Sequence- Technical Core****Term One**

ENC 1101	College Composition I (A.S. students)	3


<tbl\_r cells="3" ix="

## Interior Design Technology (AS 2012)

This A.S. program offers courses in interior design that focus on professional and technical knowledge, client needs, cost effectiveness, building systems, health, safety and environmental issues, as well as aesthetic principles essential to understanding space planning and the design process. It has been established to meet the educational requirements set by the state of Florida Board of Architecture and Interior Design for interior design licensing. After completion of this program, four years of work experience under a licensed interior designer or registered architect is required to apply for licensing and to sit for the National Council for Interior Design Qualification (NCIDQ) Examination.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

### SPECIAL ADMISSIONS REQUIREMENTS

Transfer students must have a minimum 2.0 GPA. Acceptance into the program is not guaranteed. A portfolio review and counseling are required prior to enrollment.

Students must have a minimum 2.5 GPA in all major coursework.

A grade of C or higher is required to advance in the program.

Course #	Title	Hours
----------	-------	-------

### General Education Requirements

ARH 1000	Art Appreciation (recommended) - or - Any course from Humanities - Area II	3
ENC 1101	College Composition I	3
HSC 2100	Health Concepts & Strategies	3
MGF 1111	Geometry	1
PSY 2012	General Psychology (recommended) - or - Any course from Social Sciences - Area V	3
SPC 1016	Fundamentals of Speech Communication (recommended) - or - Any course from Communication - Area I	3
<b>Total General Education Credits Required</b>		<b>16</b>

### Required Courses

IND 1025C	Fundamentals of Color and Design	3
IND 1233C	Design Studio I	3
IND 1234C	Design Studio II	3
IND 1401C	Technical Design I	3
IND 1935	Building and Barrier Free Codes	3
IND 2100	History of Interiors I	3
IND 2130	History of Interiors II	3
IND 2237C	Design Studio III	3
IND 2429	Textiles for Interiors	3
IND 2432C	Interior Lighting	3
IND 2460C	CAD for Interiors I	3
	Interior Design General Education courses	3
<b>Total</b>		<b>15</b>

IND 2460C	CAD for Interiors I	3
IND 2463C	CAD for Interiors II	3
IND 2505	Professional Practices	3
IND 2931C	Special Topics in Interior Design	3
IND 2941C	Interior Design Internship	3
<b>Total Required Course Credits</b>		<b>54</b>
<b>Total Program Hours</b>		<b>70</b>

### Suggested Course Sequence

#### Term One (Fall)

IND 1025C	Fundamentals of Color and Design	3
IND 1233C	Design Studio I	3
IND 1401C	Technical Design I	3
IND 2100	History of Interiors I	3
	Interior Design General Education course	3
<b>Total</b>		<b>15</b>

#### Term Two (Spring)

IND 1234C	Design Studio II	3
IND 2130	History of Interiors II	3
IND 2307C	Interior Design Graphics	3
IND 2424C	Technical Design II	3
	Interior Design General Education course	3
<b>Total</b>		<b>15</b>

#### Term Three (Summer A)

IND 1935	Building and Barrier Free Codes	3
	Interior Design General Education course	1
<b>Total</b>		<b>4</b>

#### Term Four (Fall)

IND 2237C	Design Studio III	3
IND 2429	Textiles for Interiors	3
IND 2432C	Interior Lighting	3
IND 2460C	CAD for Interiors I	3
	Interior Design General Education courses	3
<b>Total</b>		<b>15</b>

#### Term Five (Spring)

IND 2238C	Design Studio IV	3
IND 2463C	CAD for Interiors II	3
IND 2505	Professional Practices	3
IND 2931C	Special Topics in Interior Design	3
	Interior Design General Education course	3
<b>Total</b>		<b>15</b>

#### Term Six (Summer A)

IND 2941C	Interior Design Internship	3
	Interior Design General Education course	3
<b>Total</b>		<b>6</b>

## Legal Assisting (AS 2505)

This program prepares the student for employment as a legal assistant or technician in law-related occupations, including public and private law practice and/or corporate or government law-related activities. The graduate that is qualified to meet the testing requirements of the National Association of Legal Assistants is encouraged to sit for national exam to become a Certified Legal Assistant (CLA).

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

### SPECIAL ADMISSIONS REQUIREMENTS

Students must have a minimum 2.0 GPA. An interview with program leader is preferred.

Course #	Title	Hours
----------	-------	-------

### General Education Requirements

ENC 1101	College Composition I	3
HSC 2100	Health Concepts & Strategies	3
MAC 1105	College Algebra	3
<b>- or -</b>		
MGF 1106	Liberal Arts Mathematics	3
	Any course from Humanities - Area II	3
	Any course from Natural Sciences -	
	Area IV	3
	Any course from Social Science - Area V	3
<b>Total General Education Credits Required</b>		<b>18</b>

### Required Courses

BUL 2241	Business Law I	3
BUL 2242	Business Law II	3
ENC 1102	College Composition II	3
PLA 1003	Introduction to Legal Technology	3
PLA 1104	Legal Writing and Research I	3
PLA 1273	Preparing Negligence Cases	3
PLA 2114	Legal Writing and Research II	3
PLA 2209	Court Systems: Procedures & Pleadings I	3
PLA 2229	Court Systems: Procedures & Pleadings II	3
PLA 2483	Administrative Law	3
PLA 2600	Administration of Estates I	3
PLA 2611	Real Estate Law & Property Transactions I	3
PLA 2612	Real Estate Law & Property Transaction II	3
SPC 1016	Fundamentals of Speech Communication	3
<b>Total Required Course Credits</b>		<b>42</b>

### Electives (Choose two)

CCJ 2210	Criminal Law	3
CCJ 2230	Laws of Evidence	3
CGS 1570	Microcomputer Applications	3
PLA 1949C	Co-op: Legal Assistant I	3
PLA 2800	Family Law	3
POS 2041	American-National Government	3
<b>Total Elective Credits Required</b>		<b>4</b>
<b>Total Program Hours</b>		<b>64</b>

### Suggested Course Sequence

#### Term One

**Marketing Management (AAS/AS/TPA)**

This program offers two options. The Retailing Track prepares the student for a position in distributive fields which require a high level of competence in a range of business knowledge and skills, and the Marketing Track prepares the student for mid-management and supervisory level positions.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Palm Beach County School District Tech Prep students may qualify to receive credit after the completion of 15 semester hours of college work with a C average or better. All General Education requirement courses must be completed with a grade of C or higher to apply to A.A.S. and A.S. degree programs. Students must present evidence of Tech Prep coursework to the PBCC registrar upon entrance into a college program.

**RETAILING TRACK (AAS A097/AS 2055)**

Course #	Title	Hours
----------	-------	-------

**General Education Requirements**

ENC 1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students)	(3)
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics	3
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3
<b>Total General Education Credits Required</b>		<b>15</b>

**Required Courses**

APA 1111	Bookkeeping I	3
CGS 1570	Microcomputer Applications	3
MAR 2011	Principles of Marketing	3
MKA 1041	Principles of Retailing I	3
OST 2335	Business Communications	4
	Business elective *	3
<b>Total</b>		<b>16</b>

**Total Required Course Credits** ..... 37

**A.S./A.A.S. Programs****Electives**

Business Electives*	6
General Electives**	6
<b>Total Elective Credits Required</b>	<b>12</b>
<b>Total Program Hours</b>	<b>64</b>

\* Business electives: Select from areas of Accounting, Business, Computer Science, Economics, Legal Technology, Office Systems Technology and Real Estate.

\*\* General electives: Select from areas of English, Mathematics, Humanities, Science and Social Science.

**Suggested Course Sequence****Term One**

ENC 1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students)	(3)
MAR 2011	Principles of Marketing	3
MTB 1103	Business Mathematics	3
	General elective * (GEB 1011 Introduction to Business recommended)	3
	Any course from Social Science - Area V	3
<b>Total</b>		<b>15</b>

**Term Two**

APA 1111	Bookkeeping I	3
CGS 1570	Microcomputer Applications	3
MKA 1041	Principles of Retailing I	3
OST 2335	Business Communications	4
	Business elective *	3
<b>Total</b>		<b>16</b>

**Term Three**

MGF 1106	Liberal Arts Mathematics	3
MAN 2800	Small Business Management	3
MKA 1511	Advertising	3
MNA 2100	Human Relations in Business	3
	Any course from Humanities - Area II	3
	Business elective *	3
<b>Total</b>		<b>18</b>

**Term Four**

HSC 2100	Health Concepts & Strategies	3
MKA 2021	Salesmanship	3
MAN 2800	Small Business Management	3
MNA 2345	Principles of Supervision	3
SPC 1016	Fundamentals of Speech Communication	3
	General elective **	3
<b>Total</b>		<b>15</b>

**MARKETING TRACK (AAS A095/AS 2062)**

Course #	Title	Hours
----------	-------	-------

**General Education Requirements**

ENC 1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students)	(3)
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics	3
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3
<b>Total General Education Credits Required</b>		<b>15</b>

**Required Courses**

APA 1111	Bookkeeping I	3
BUL 2241	Business Law I	3
CGS 1570	Microcomputer Applications	3
ENC 1102	College Composition II	3

**A.S./A.A.S. Programs**

MAN 2021	Principles of Management	3
MAN 2800	Small Business Management	3
MAR 2011	Principles of Marketing	3
MKA 1041	Principles of Retailing I	3
MKA 1511	Advertising	3
MKA 2021	Salesmanship	3
MNA 2100	Human Relations in Business	3
MNA 2345	Principles of Supervision	3
MTB 1103	Business Mathematics	3
SPC 1016	Fundamentals of Speech Communication	3
<b>Total Required Course Credits</b>		<b>42</b>

**Electives**

General Electives *	7
<b>Total Elective Credits Required</b>	<b>7</b>
<b>Total Program Hours</b>	<b>64</b>

\* General Electives: Select from the areas of Accounting, Business, Computer Science, Economics, Legal Technology, Office Systems Technology and Real Estate.

**Office Systems Technology (AAS/AS/TPA)**

This program offers three options. The Legal Secretary Track prepares the student for employment as a legal secretary, the Office Systems Track prepares the student for employment as a top-level secretary or administrative assistant, and the Word Processing Track prepares the student for employment in the field of word and information processing systems. These tracks are also designed to provide supplemental training for individuals previously or currently employed in office careers.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Palm Beach County School District Tech Prep students may qualify to receive credit after the completion of 15 semester hours of college work with a C average or better. All General Education requirement courses must be completed with a grade of C or higher to apply to A.A.S. and A.S. degree programs. Students must present evidence of Tech Prep coursework to the PBCC registrar upon entrance into a college program.

**LEGAL SECRETARY TRACK (AAS A524/AS 2523)**

Course #	Title	Hours
----------	-------	-------

**General Education Requirements**

ENC 1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students)	(3)
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics (A.S. students)	3
MAT 1033	Intermediate Algebra (A.A.S. students)	(3)
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3
<b>Total General Education Credits Required</b>		<b>15</b>

**Required Courses**

APA 1111	Bookkeeping I	3
BUL 2241	Business Law I	3
CGS 1570	Microcomputer Applications	3
MTB 1103	Business Mathematics	3
OST 1100C	Beginning Keyboarding	3
OST 1108	Building Typing Speed and Accuracy	1
OST 1110C	Intermediate Keyboarding	3
OST 1332	Business Presentations	- or -
SPC 1016	Fundamentals of Speech Communication	3
OST 1831	Microsoft Windows	1
OST 2251C	Legal Transcription	3
OST 2335	Business Communications	4
OST 2339	Business English Review	1
OST 2431	Legal Office Procedures	4
OST 2714C	Word Processing	3

**Suggested Course Sequence****Term One (Fall)**

BUL 2241	Business Law I	3
CGS 1570	Microcomputer Applications	3
ENC 1101	College Composition I (A.S. Students)	3
ENC 1151	Applied Communications (A.A.S. Students) (3)	
OST 1100C	Beginning Keyboarding	3
OST 1831	Microsoft Windows	1
OST 2339	Business English Review	1
PLA 1003	Introduction to Legal Technology	3
	<b>Total</b>	<b>17</b>

**Term Two (Spring)**

MAT 1033	Intermediate Algebra (A.A.S. Students) (3)	
MGF 1106	Liberal Arts Mathematics (A.S. Students)	3
OST 1108	Building Typing Speed and Accuracy	1
OST 2335	Business Communications	4
OST 2714C	Word Processing	3
PLA 1104	Legal Writing and Research I	3
	<b>Total</b>	<b>14</b>

**Term Three (Fall)**

MTB 1103	Business Mathematics	3
OST 1100C	Intermediate Keyboarding	3
OST 2431	Legal Office Procedures	4
OST 1332	Business Presentations	
	- or -	
SPC 1016	Fundamentals of Speech Communication	3
	Any course from Humanities - Area II	3
	Elective *	1
	<b>Total</b>	<b>7</b>

**Term Four (Spring)**

APA 1111	Bookkeeping I	3
OST 2251C	Legal Transcription	3
HSC 2100	Health Concepts & Strategies	
	Any course from Social Science - Area V	3
	Elective *	3
	<b>Total</b>	<b>15</b>

**OFFICE SYSTEMS TRACK (AAS A521/AS 2514)**

Course # Title Hours

**General Education Requirements**

ENC 1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students) (3)	
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics (A.S. students)	3
MAT 1033	Intermediate Algebra (A.A.S. students) (3)	
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3
	<b>Total General Education Credits Required</b>	<b>15</b>

**Required Courses**

APA 1111	Bookkeeping I	3
CGS 1513	Electronic Spreadsheets	3
CGS 1570	Microcomputer Applications	3
MTB 1103	Business Mathematics	3
OST 1100C	Beginning Keyboarding	3
OST 1108	Building Typing Speed and Accuracy	1
OST 1110C	Intermediate Keyboarding	3
OST 1211C	Shorthand I	3
OST 1332	Business Presentations	
	- or -	
SPC 1016	Fundamentals of Speech Communication	3
OST 1831	Microsoft Windows	1
OST 2335	Business Communications	4
OST 2339	Business English Review	1
OST 2402	Office Procedures and Technology	4

OST 2603C	Machine Transcription	3
OST 2714C	Word Processing	3
	Electives *	7
	<b>Total Required Course Credits</b>	<b>48</b>
	<b>Total Program Hours</b>	<b>63</b>

\* Electives: Select from Business, Computer Science or Office Systems Technology courses.

**Suggested Course Sequence****Term One**

CGS 1570	Microcomputer Applications	3
ENC 1101	College Composition I (A.S. Students)	3
ENC 1151	Applied Communications (A.A.S. Students) (3)	
HSC 2100	Health Concepts & Strategies	3
MAT 1033	Intermediate Algebra (A.A.S. Students) (3)	
MGF 1106	Liberal Arts Mathematics (A.S. Students)	3
OST 1100C	Beginning Keyboarding	3
OST 1831	Microsoft Windows	1
OST 2339	Business English Review	1
	<b>Total</b>	<b>17</b>

**Term Two**

CGS 1513	Electronic Spreadsheets	3
OST 1108	Building Typing Speed and Accuracy	1
OST 2335	Business Communications	4
OST 2714C	Word Processing	3
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3
	<b>Total</b>	<b>17</b>

**Term Three**

MTB 1103	Business Mathematics	3
OST 1100C	Intermediate Keyboarding	3
OST 1211C	Shorthand I	3
OST 2603C	Machine Transcription	3
	Elective *	3
	<b>Total</b>	<b>15</b>

**Term Four**

APA 1111	Bookkeeping I	3
OST 2402	Office Procedures and Technology	4
OST 1332	Business Presentations	
	- or -	
SPC 1016	Fundamentals of Speech Communication	3
	Elective *	3
	Elective *	1
	<b>Total</b>	<b>14</b>

**WORD PROCESSING TRACK (A.A.S. A522/A.S. 2518)****General Education Requirements**

ENC 1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students) (3)	
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics (A.S. students)	3
MAT 1033	Intermediate Algebra (A.A.S. students) (3)	
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3
	<b>Total General Education Credits Required</b>	<b>15</b>

**Required Courses**

CGS 1513	Electronic Spreadsheets	3
CGS 1570	Microcomputer Applications	3
MAN 2021	Principles of Management	
	- or -	
MNA 2345	Principles of Supervision	3
OST 2402	Office Procedures and Technology	4
	Elective *	3
	Elective *	1
	<b>Total</b>	<b>14</b>

OST 1100C	Beginning Keyboarding	3
OST 1108	Building Typing Speed and Accuracy	1
OST 1110C	Intermediate Keyboarding	3
OST 1332	Business Presentations	
	- or -	

**SPC 1016**

SPC 1016	Fundamentals of Speech Communication	


<tbl\_r cells="3" ix="2" maxcspan

ORH 2232	Arboriculture	3
ORH 2253	Nursery Management	3
ORH 2511	Ornamental Plant Identification II	3
ORH 2835	Computer-Aided Landscape Design	3
ORH 2873	Interiorscape Design and Maintenance	3
<b>Total Elective Credits Required</b>		<b>6</b>
<b>Total Program Hours</b>		<b>60</b>

**Suggested Course Sequence****Term One**

ENC 1101	College Composition I	3
MGF 1106	Liberal Arts Mathematics	3
ORH 1010	Introduction to Horticulture (Take early in program.)	3
ORH 2220	Turfgrass Culture	3
ORH 2510	Ornamental Plant Identification I (Take early in program.)	3
<b>Total</b>		<b>15</b>

**Term Two**

PLS 2220	Plant Propagation	3
PMA 2213	Plant Pest Management	3
SOS 1102	Soils and Fertilizers	3
SPC 1016	Fundamentals of Speech Communication	3
	Any course from Humanities - Area II	3
<b>Total</b>		<b>15</b>

**TERM THREE**

CHM 1015	Principles of Chemistry	3
GCO 2230	Pumping and Irrigation Systems	3
HSC 2100	Health Concepts & Strategies	3
IPM 1301	Pesticides	3
ORH 2830	Introduction to Landscape Design	3
<b>Total</b>		<b>15</b>

**Term Four**

ORH 2412	Plant Physiology	3
ORH 2949C	Ornamental Horticulture	3
	Work Experience/Internship (Take late in program.)	3
	Any course from Social Science - Area V	3
<b>Total</b>		<b>15</b>

**Professional Pilot Technology (AAS/AS)**

This program offers three tracks. They are designed to prepare the student to work in flight operations management, to become a commercial pilot, or to allow the individual who currently holds the Airframe Certificate and/or Powerplant Mechanics Certificate issued by the Federal Aviation Administration (FAA) to pursue a two-year degree that will give management skills and knowledge for advancement within the aviation maintenance or flight operation industry.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

**MAINTENANCE MANAGEMENT TRACK  
(AAS A161/AS 2171)**

This program is designed to allow the individual who currently holds an (1) Airframe Certificate and (2) Powerplant Mechanics Certificate, issued by the Federal Aviation Administration (FAA), to pursue a two-year degree that will provide management skills and knowledge for advancement within the aviation maintenance industry.

*College credit toward the A.A.S. and A.S. degrees will be awarded for the following current FAA certificates (See Experiential Learning, Award of Credit):*

- Airframe Mechanic Certificate: Provides 12 Credit Hours
- Powerplant Mechanic Certificate: Provides 12 Credit Hours

Course #	Title	Hours
----------	-------	-------

**General Education Requirements**

ENC 1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students)	(3)
HSC 2100	Health Concepts & Strategies	3
MAC 1105	College Algebra (A.S. students)	3
MTB 1103	Business Mathematics (A.A.S. students)	(3)
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3
<b>Total General Education Credits Required</b>		<b>15</b>

**Required Courses**

ASC 1210	Aero-Meteorology	3
ASC 1310	Aero-Safety and Regulations	2
AVM 2010	Aerospace and Air Travel	3
	- or -	
ATF 2500	Certified Flight Instructor	(1)
	- and -	
ATT 2131	Flight Instructor Ground School	(2)
BUL 2241	Business Law I	3
CGS 1060	PC Starter	1
GEB 1011	Introduction to Business	3
MAN 2021	Principles of Management	3
PHY 1001	Applied Physics (A.S. students)	3
ATT 1100	Private Pilot Ground School (A.A.S. Students)	(3)
	Power Plant Certificate	12
	Airframe Certificate	12
<b>Total Required Course Credits</b>		<b>45</b>

**A.S./A.A.S. Programs****Electives (Select 4 credit hours)**

ATF 2400	Multi-Engine Flight (or other course approved by department chair)	1
	Course approved by department chair	3
<b>Total Elective Credits Required</b>		<b>4</b>
<b>Total Program Hours</b>		<b>64</b>

**Suggested Course Sequence****Term One**

ASC 1310	Aero-Safety and Regulations	2
CGS 1060	PC Starter	1
ENC 1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students)	(3)
GEB 1011	Introduction to Business	3
	Professional Pilot General Education Course	3
<b>Total</b>		<b>12</b>

**Term Two**

ASC 1210	Aero-Meteorology	3
	Professional Pilot General Education Course	3
<b>Total</b>		<b>6</b>

**Term Three**

BUL 2241	Business Law I	3
PHY 1001	Applied Physics (A.S. students)	3
ATT 1100	Private Pilot Ground School (A.A.S. students)	(3)
	Professional Pilot General Education Course	3
<b>Total</b>		<b>9</b>

**Term Four**

AVM 2010	Aerospace and Air Travel	3
MAN 2021	Principles of Management	3
	Professional Pilot General Education Course	3
	Professional Pilot Electives	4
<b>Total</b>		<b>13</b>

**OPERATIONS TRACK (AAS A162/AS 2172)**

*The following credit is given to the student who holds the Private Pilot Certificate:*

ATF 1100	Flight - Private	3 credits
ATT 1100	Private Pilot Ground School	3 credits

Course #	Title	Hours
----------	-------	-------

**General Education Requirements**

ENC 1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students)	(3)
HSC 2100	Health Concepts & Strategies	3
MAC 1105	College Algebra (A.S. students)	3
MTB 1103	Business Mathematics (A.A.S. students)	(3)
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3
<b>Total General Education Credits Required</b>		<b>15</b>

**Required Courses**

ACG 2022	Financial Accounting	4
ASC 1210	Aero-Meteorology	3

Students enrolling in the Professional Pilot Technology A.A.S. or A.S. degree program at Palm Beach Community College must follow these procedures to receive credit for flight courses required to complete these degrees.

1. All flight time must be logged and certified by an FAA certified flight instructor for the rating for which credit is being sought.
2. Minimum flight time requirements for Part 61 (minimum 40 hours) or Part 141 (minimum 35 hours) Federal Aviation Regulations (FARS) must be met.
3. All written examinations required for the rating sought must be passed with a minimum grade as specified by the FAA.
- A. Written proof of passing the required FAA check ride must be submitted to the department chair before credit can be granted for the following courses: ATF 1100, ATF 2200, ATF 2300, ATF 2400, ATF 2500.
- B. Proof of passing the appropriate FAA written examination with a grade of 85 percent or higher will be considered for credit for the following ground school courses when appropriately documented and submitted to the department chair: ATT 1100, ATT 2120.
4. To qualify for reduced flight-time requirements under FAR Part 141, the student must take flight training from an approved flight school and ground training from an approved ground school. The department chair will provide a list of currently approved flight schools for the student.

Course #	Title	Hours
<b>General Education Requirements</b>		
ENC 1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students)	(3)
HSC 2100	Health Concepts & Strategies	3
MAC 1105	College Algebra (A.S. students)	3
MTB 1103	Business Mathematics (A.A.S. students)	(3)
	Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3
<b>Total General Education Credits Required</b>		<b>15</b>
<b>Required Courses</b>		
ASC 1101	Aero-Navigation	3
ASC 1210	Aero-Meteorology	3
ASC 1310	Aero-Safety and Regulations	2
ASC 1640	Propulsion Systems	3
ASC 2550	Aerodynamics	3
ATF 1100	Flight - Private	3
ATF 1150	Intermediate Flight Lab	1
ATF 1600	Basic Flight Simulator	1
ATF 2200	Flight - Commercial	3
ATF 2250	Advanced Flight Lab	1
<b>Total</b>		<b>15</b>
<b>Term Four</b>		
ATF 2400	Multi-Engine Flight	1
ATF 2691	Instrument Refresher Simulator Laboratory (or course approved by department chair)	1
AVM 2010	Aerospace and Air Travel	3
<b>- or -</b>		
the following 2 courses:		
ATF 2500	Certified Flight Instructor Flight	(1)
<b>- and -</b>		
ATT 2131	Flight Instructor Ground School	(2)
ENC 1151	Applied Communication (A.S. students)	3
Elective approved by department chair (A.A.S. students)		
PHY 1001	Applied Physics (A.S. students)	3
GEO 1010	Principles of Geography and Conservation (A.A.S. students)	(3)
Professional Pilot General Education Courses (2)		
<b>Total</b>		<b>17</b>
<b>the following 2 courses:</b>		
ATF 2500	Certified Flight Instructor Flight	(1)

ATT 2131	- and -	
CGS 1060	Flight Instructor Ground School	(2)
PHY 1001	PC Starter	1
GEO 1010	Applied Physics (A.S. students)	3
	Principles of Geography and Conservation (A.A.S. students)	(3)
<b>Total Required Course Credits</b>		<b>45</b>
<b>Electives</b>		
ATF 2691	Instrument Refresher Simulator Laboratory (or course approved by department chair)	1
ENC 1151	Applied Communications (A.S. students)	3
	Course approved by department chair (A.A.S. students)	(3)
<b>Total Elective Credits Required</b>		<b>4</b>
<b>Total Program Hours</b>		<b>64</b>

#### Suggested Course Sequence

##### Term One

ATF 1100	Flight - Private	3
ATF 1600	Basic Flight Simulator	1
ATF 2605	Intermediate Flight Simulator	1
ATT 1100	Private Pilot Ground School	3
ENC 1101	College Composition I (A.S. students)	3
ENC 1151	Applied Communications (A.A.S. students)	(3)
	Professional Pilot General Education Course	3
CGS 1060	PC Starter	1
<b>Total</b>		<b>15</b>

##### Term Two

ASC 1210	Aero Meteorology	3
ASC 1640	Propulsion Systems	3
ATF 1150	Intermediate Flight Lab	1
ATF 2300	Flight - Instrument	3
ATF 2610	Advanced Instrument Flight Simulator	1
ATT 2120	Instrument Ground School	3
	Professional Pilot General Education course	3
<b>Total</b>		<b>17</b>

##### Term Three

ASC 1101	Aero-Navigation	3
ASC 1310	Aero-Safety Regulations	2
ASC 2550	Aerodynamics	3
ATF 2200	Flight - Commercial	3
ATT 2110	Commercial Pilot Ground School	3
ATF 2250	Advanced Flight Lab	1
<b>Total</b>		<b>15</b>

##### Term Four

ATF 2400	Multi-Engine Flight	1
ATF 2691	Instrument Refresher Simulator Laboratory (or course approved by department chair)	1
AVM 2010	Aerospace and Air Travel	3
<b>- or -</b>		
the following 2 courses:		
ATF 2500	Certified Flight Instructor Flight	(1)
<b>- and -</b>		
ATT 2131	Flight Instructor Ground School	(2)
ENC 1151	Applied Communication (A.S. students)	3
Elective approved by department chair (A.A.S. students)		
PHY 1001	Applied Physics (A.S. students)	3
GEO 1010	Principles of Geography and Conservation (A.A.S. students)	(3)
Professional Pilot General Education Courses (2)		
<b>Total</b>		<b>17</b>
<b>the following 2 courses:</b>		
ATF 2500	Certified Flight Instructor Flight	(1)

#### Theater and Entertainment Technology (AS)

This program offers three music tracks and one dance track from which the student can choose: General Music Track, Popular Music and Jazz Track, Music Theater Track and Dance Track.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

All students must take the General Education courses.

#### GENERAL MUSIC TRACK (AS 2274)

The General Music Track is a basic program of studies designed to assist those engaged in teaching, performing, or conducting music. The music electives in the program may be selected to benefit the student in his particular area of specialization, such as sacred music or private teaching.

Course #	Title	Hours
<b>General Education Requirements</b>		
BSC 1050	Environmental Conservation	3
ENC 1101	College Composition I	3
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics	3
MUL 1010	Music Appreciation	3
SYG 2000	Introduction to Sociology	3
<b>Total General Education Credits Required</b>		<b>18</b>

\*Students can take general education requirements at any time during the course sequence.

#### Suggested Course Sequence

##### Term One

BSC 1050	Environmental Conservation	3
ENC 1101	College Composition I	3
MUT 1111	Music Theory I **	3
MUT 1241	Ear Training and Sight Singing I	1
MVK 1111A	Class Instruction - Piano I *	1
<b>Total</b>		<b>15</b>

##### Term Two

HSC 2100	Health Concepts & Strategies	3
MUC 2301	Introduction to Electronic Music I	3
MUS 0010L	Recital Seminar	0
MUT 1112	Music Theory II	3
MUT 1242	Ear Training and Sight Singing II	1
MVK 1111B	Class Instruction - Piano II *	1
<b>Total</b>		<b>15</b>

##### Term Three

ENC 1151	Applied Communications	3
MGF 1106	Liberal Arts Mathematics	3</

MUT 1352	Jazz Arranging II Applied Music * Ensembles Music Electives (Students should seek advice from the faculty advisor.)	3 2 1 5 14 64
Total Program Hours .....		64

**MUSIC THEATER TRACK (AS 2284)**

The Music Theater Track prepares the student for a professional career in Music Theater as a singer-dancer-actor or technician.

Course #	Title	Hours
----------	-------	-------

**General Education Requirements**

BSC 1050	Environmental Conservation	3
ENC 1101	College Composition I	3
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics	3
MUL 1010	Music Appreciation - or -	3
THE 1000	Theater Appreciation	3
SYG 2000	Introduction to Sociology	3
<b>Total General Education Credits Required .....</b>		<b>18</b>

\*Students can take general education requirements at any time during the course sequence.

**Suggested Course Sequence**

Term One		
MUN 1310R	Concert Chorus	1
MUS 0010L	Recital Seminar	0
MUT 1111	Music Theory I **	3
MUT 1241	Ear Training and Sight Singing I	1
MVK 1111A	Class Instruction - Piano I *	1
TPP 2100	Acting I	3
TPP 2190R	Rehearsal and Performance I Applied Music *	3
	Ensembles	1
<b>Total</b>		<b>16</b>

Term Two		
MUS 0010L	Recital Seminar	0
MUT 1112	Music Theory II	3
MUT 1242	Ear Training and Sight Singing II	1
MVK 1111B	Class Instruction - Piano II *	1
THE 2051	Theater for a Children's Audience	3
THE 2110	Acting II	3
THE 2300	Dramatic Literature Applied Music *	3
	Ensembles	1
<b>Total</b>		<b>16</b>

Term Three		
BSC 1050	Environmental Conservation	3
ENC 1101	College Composition I	3
HSC 2100	Health Concepts & Strategies	3
MUL 1010	Music Appreciation - or -	3
THE 1000	Theater Appreciation	3
TPA 1200	Stagecraft I	3
<b>Total</b>		<b>15</b>

Term Four		
MGF 1106	Liberal Arts Mathematics	3
MUS 0010L	Recital Seminar	0
SYG 2000	Introduction to Sociology	3
THE 2925L	Play Production	1
TPA 2211	Advanced Stagecraft	3

**A.S./A.A.S. Programs**

TPP 2510	Movement for the Theater Applied Music *	3 2
	Ensembles	2
<b>Total</b>		<b>17</b>
<b>Total Program Hours .....</b>		<b>64</b>

**DANCE TRACK (AS 2285)**

The Dance Track is designed to prepare students for a professional career in dance. Dance classes are conducted at Klein Dance. Placement auditions for all dance students are required to determine entry level and advancement. To arrange placement auditions, telephone Klein Dance at (561)586-1889.

**Course # Title**

Course #	Title	Hours
<b>General Education Requirements</b>		
BSC 1050	Environmental Conservation	3
ENC 1101	College Composition I	3
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics	3
MUL 1010	Music Appreciation	3
THE 1000	Theater Appreciation	3
SYG 2000	Introduction to Sociology	3
<b>Total General Education Credits Required .....</b>		<b>18</b>

\*Students can take general education requirements at any time during the course sequence.

**Suggested Course Sequence**

Term One		
ENC 1101	College Composition I	3
DAN 1600	Music for Dance	3
MUS 0010L	Recital Seminar	0
MUT 1001	Fundamentals of Music	3
	Dance Electives (Students should seek advice from the faculty advisor.)	7
<b>Total</b>		<b>16</b>

Term Two		
ENC 1151	Applied Communications	3
MUS 0010L	Recital Seminar	0
TPP 2100	Acting I	3
TPP 2510	Movement for the Theater	3
	Dance Electives (Students should seek advice from the faculty advisor.)	7
<b>Total</b>		<b>16</b>

Term Three		
HSC 2100	Health Concepts & Strategies	3
MGF 1106	Liberal Arts Mathematics	3
MUS 0010L	Recital Seminar	0
THE 1000	Theater Appreciation	3
	Dance Electives (Students should seek advice from the faculty advisor.)	7
<b>Total</b>		<b>16</b>

Term Four		
BSC 1050	Environmental Conservation	3
MUL 1010	Music Appreciation	3
MUS 0010L	Recital Seminar	0
SYG 2000	Introduction to Sociology	3
	Dance Electives (Students should seek advice from the faculty advisor.)	7
<b>Total</b>		<b>16</b>

\*Auditions are required for placement in Applied Music courses (both classes and private lessons).

\*\* Placement examination is required for Music Theory. Students who do not qualify for Theory I are required to take MUT 1001 (Fundamental of Music) first.

Note: Attendance at Recital Seminar is required each term.

**A.S./A.A.S. Allied Health Programs****Dental Hygiene (AS 2151/TPA)****LIMITED ACCESS**

The Dental Hygiene Program is accredited by the American Dental Association (ADA) Commission on Dental Accreditation and approved by the Florida State Board of Dentistry. The program leads to an A.S. degree and is approximately 21 months in length, not including the time necessary to complete the listed General Education and non-technical program core courses. It begins with the fall term of each year and is structured as a daytime program only. Graduates are eligible to take national and state or regional board examinations to become licensed dental hygienists.

Courses may articulate from an ADA Commission on Dental Accreditation Dental Assisting Program and a possibility of up to 20 credit hours may be accepted toward the A.S. degree in dental hygiene. Students from other formal dental programs may be given credit for their experience through challenge or other means of evaluation.

All dental hygiene courses must be taken in sequence and a grade of C or better must be earned in the clinical, laboratory and lecture areas of these courses. A grade of C or better must also be earned in all remaining course requirements for the A.S. degree in dental hygiene. All dental science and natural science courses must have been taken within the past five years.

The Dental Hygiene Program limits the number of students it may admit to each class, and the following minimum criteria are established to be eligible for placement in the selection pool and must be met by the application-deadline date. Meeting minimum criteria for selection does not guarantee admission to the Dental Hygiene Program. Final selection will be made using a point system which credits the number of required General Education and non-technical program core courses completed at the time of application (see lists at end of this section), grades earned in required basic sciences completed by the time of application (all attempts averaged, including withdrawals), dental assistant work experience, formal education in dental assisting and completion of any or all of the non-required courses HSC 1000, HSC 1400, HSC 2100, HSC 2531, SLS 1501, or CGS 1570. For further details regarding the point system see the PBCC Dental Hygiene Application form, or contact the Dental Health Services program specialist at (561) 439-8313.

If a student is selected and does not enter the program, or is not selected, he/she must reapply and is not guaranteed acceptance in any subsequent selection process.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Palm Beach County School District Tech Prep students may qualify to receive credit after the completion of 15 semester hours of college work with a C average or better. All General Education requirement courses must be completed with a grade of C or higher to apply to A.S. degree programs. Students must present evidence of Tech Prep coursework to the PBCC Registrar upon entrance into a college program.

**AREAS OF STUDY****SPECIAL ADMISSIONS REQUIREMENTS****1. Special Application and Deadline(s):**

The applicant must submit a completed Dental Hygiene Application package (including transcripts) to the Limited Access Program Office at the Lake Worth location by May 22 of each year in order to be eligible for consideration for selection into the program. The Dental Hygiene Program

years prior to the application deadline date). See list of required sciences at the end of this section. Those mentioned in Section A. may defer completion of all required basic science courses (with a grade of C or better) until the end of the first term of the program.

C. Once officially accepted into the Dental Hygiene Program, a dental and medical examination on PBCC Allied Health examination forms dated within one year prior to the start of the program must be submitted by the applicant.

D. All accepted applicants for the Dental Hygiene Program are strongly encouraged to be currently immunized against communicable diseases, including Hepatitis B. Documentation of completion of, or refusal to obtain, Hepatitis B immunization must be provided upon entrance into the program.

E. Certification in Cardiopulmonary Resuscitation Basic Life Support by the American Heart Association must be current by the beginning of the program.

F. The student will be automatically enrolled in the Student Accident/Health Insurance coverage program provided by PBCC.

G. If a student has withdrawn from or received a grade of less than C in a dental hygiene technical core course, that student will not be able to continue in the program. If he/she wishes to re-enter the program, it will be necessary to reapply for a position in the following year's class on a space-available basis. If accepted, the student will then be required to: (1) repeat the failed or withdrawn course, and (2) repeat for audit his/her last successfully completed clinical course. If a student has two separate failures in any course or courses with the prefixes DEH, DES, DEA (from either the Dental Hygiene or Assisting Program) he/she will be ineligible for initial selection for admission to, or may not re-enter the Dental Hygiene Program.

The following General Education requirements may be taken in advance of application/selection to the Dental Hygiene Program. All must be completed with a grade of C or better in order to be given credit for selection and/or graduation:

Course #	Title	Hours
<b>General Education Requirements</b>		
BSC 1085	Anatomy & Physiology I	3
BSC 1085L	Anatomy & Physiology I Lab	1
ENC 1101	College Composition I	3
PSY 2012	General Psychology	3
SPC 1016	Fundamentals of Speech Communication	3
SYG 2000	Introduction to Sociology	3
	Any course from Humanities - Area II	3
<b>Total General Education Credits Required</b>		<b>19</b>
<b>Non-Technical Program Requirements</b>		
MAT 1033	Intermediate Algebra - or - MTB 1103 Business Mathematics - or - Mathematics - Area III	3
<b>Total Non-Technical Program Credits Required</b>		<b>3</b>

## A.S./A.A.S. Allied Health Programs

### Natural Science Program Requirements

BSC 1086	Anatomy & Physiology II	3
BSC 1086L	Anatomy & Physiology II Lab	1
CHM 1015	Principles of Chemistry	3
HUN 1201	Elements of Nutrition	3
MCB 2010	Microbiology	3
MCB 2010L	Microbiology Lab	1
<b>Total Natural Science Program Credits Required</b>		<b>14</b>

### Dental Hygiene Program Requirements

#### Suggested Course Sequence

(After admission to program)

#### Term One (Fall)

DEH 1003	Dental Hygiene Instrumentation	1
DEH 1003L	Dental Hygiene Instrumentation Lab	2
DES 1020	Dental Anatomy *	3
DES 1100	Dental Materials *	2
DES 1100L	Dental Materials Lab *	1
DES 1200	Dental Radiology *	2
DES 1200L	Dental Radiology Lab *	1
DES 1600	Office Emergencies*	1
DES 1800	Introduction to Clinical Procedures *	3
DES 1800L	Introduction to Clinical Procedures Lab *	1
<b>Total</b>		<b>17</b>

#### Term Two (Spring)

DEH 1130	Oral Embryology and Histology	1
DEH 1800CAD	Dental Hygiene I	5
DEH 2300	Pharmacology	2
DES 1830C	Expanded Functions *	2
DES 1840	Preventive Dentistry *	2
<b>Total</b>		<b>12</b>

#### Term Three (Summer)

DEH 1802C	Dental Hygiene II	2
<b>Total</b>		<b>2</b>

#### Term Four (Fall)

DEH 2400	General and Oral Pathology	2
DEH 2603	Periodontology	2
DEH 2701	Community Dentistry	2
DEH 2804C	Dental Hygiene III	5
DES 2934	Compromised Patient	1
<b>Total</b>		<b>12</b>

#### Term Five (Spring)

DEH 1811	Dental Ethics and Jurisprudence	1
DEH 2702L	Community Dentistry Practicum	1
DEH 2806C	Dental Hygiene IV	6
DES 2502	Office Management *	1
<b>Total</b>		<b>9</b>

**Total Dental Hygiene Credits Required** ..... 52

**Total Program Hours** ..... 88

\*These courses will articulate from the PBCC Dental Assisting Program.

## A.S./A.A.S. Allied Health Programs

### Dietetic Technician (AS 2512)

#### LIMITED ACCESS

This program prepares the student for a career in dietetic technology at work sites including hospitals, skilled nursing facilities, schools, residential and group care facilities, health spas and community agencies. The curriculum has been developed using American Dietetic Association (ADA) guidelines. Graduates of the program are eligible to sit for the Dietetic Technician Registry Exam to receive the credentials DTR. These credentials are recognized nationwide and are used to identify individuals qualified to provide nutrition services under the supervision of a Registered Dietitian (R.D.).

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

#### SPECIAL ADMISSIONS REQUIREMENTS

##### 1. Special Application and Deadline:

###### A. New Students

After completion of HUN 1201 and FSS 1210 with a grade of C or better, the student must submit a completed application package to the Dietetic Technician department chair leader no later than November 1 of each year to be eligible for consideration for selection into the program which begins the following January. If HUN 1201 and FSS 1210 are in progress in the fall term, midterm grades will be used to evaluate the student for admission into the selection pool and acceptance to the program will be conditional on completion of the courses with a grade of C or better.

Meeting criteria for the program does not guarantee admission into the Dietetic Technician Program. Final selection will be based on the applicant pool, which is contingent on the number of field-experience sites available to the students. If a student is selected and does not enter the program or is not selected, he/she must reapply and is not guaranteed acceptance in any subsequent process.

###### B. Dietetic Technician Transfer Students

Students from other American Dietetic Association approved/accredited programs will be given credit for equivalent coursework or may obtain credit for their experience through challenge exams or other means of evaluation. Transcripts will be evaluated on a case-by-case basis.

##### 2. Academic High School Diploma or GED:

Proof of a standard high school diploma or a U.S. GED certificate must be submitted.

#### 3. Transcripts:

Official transcripts of high school and all previous college work must be submitted to the Registrar's Office at the Lake Worth location.

#### 4. Cumulative Grade Point Average (GPA):

Cumulative grade point average must be at least 2.0 in all previous college work attempted.

#### 5 Medical Exam

A medical exam is not required for application to the program, but will be required if the student is accepted into the program.(See 7. B. below.).

#### 6. Program/Interview Counseling

The applicant must have an interview with the Dietetic Technician department chair at the Lake Worth location prior to application. Call (561) 439-8126 for an appointment.

#### 7. Special Notes:

A. Preference in selection will be given to applicants who have work or volunteer experience in either health care or food service.

B. Once officially accepted into the Dietetic Technician Program, a medical examination on PBCC Allied Health examination forms dated within one year prior to the start of the program must be submitted by the applicant.

C. A grade of C or higher must be earned in all coursework required for the program, and the student must have a minimum 2.0 GPA to graduate.

D. The student will automatically be enrolled in the Student Accident/Health Insurance coverage program provided by PBCC.

Course #	Title	Hours
----------	-------	-------

#### Program Prerequisites

FSS 1210C	Elements of Food Science & Techniques	3
HUN 1201	Elements of Nutrition	3
<b>Total Prerequisite Credits Required</b>		<b>6</b>

#### General Education Requirements

BSC 1010	Principles of Biology	3
ENC 1101	College Composition I	3
SPC 1016	Fundamentals of Speech Communication	3
SYG2000	Introduction to Sociology	3
Any course from Humanities - Area II		3
<b>Total General Education Credits Required</b>		<b>15</b>

#### Non-Technical Core Requirements

CGS 1570	Microcomputer Applications	3
HSC 1000	Introduction to Health Care	2
HSC 1000L	Introduction to Health Care Lab	1
HSC 2531	Medical Terminology	3
MTB 1103	Business Mathematics	3
- or -		
any 3 credit college Mathematics course (including MAT 1033)		3
PSY 2012	General Psychology	3
<b>Total Non-Technical Core Credits Required</b>		<b>15</b>

**Technical Core Requirements**

(Must be taken in the order shown)

DIE 1412	Dietetics I	3
DIE 1419	Dietetics Practicum I	3
DIE 2211	Dietetics II	3
DIE 2270	Dietetics Practicum II	3
DIE 2120	Dietetics III	3
DIE 2947	Dietetics Practicum III	3
FSS 1221C	Quantity Food Production I	4
HUN 1501	Community Nutrition	3
<b>Total Technical Core Credits Required</b>		<b>.25</b>

**Electives**

Any 3 credit college course	3
<b>Total Elective Credits Required</b>	<b>.3</b>
<b>Total Program Hours</b>	<b>.64</b>

**Suggested Course Sequence****Term One**

CGS 1570	Microcomputer Applications	3
ENC 1101	College Composition I	3
FSS 1210C	Elements of Food Science & Techniques	3
HSC 1000	Introduction to Health Care	2
HSC 1000L	Introduction to Health Care Lab	1
HUN 1201	Elements of Nutrition	3
<b>Total</b>		<b>.15</b>

**Term Two**

DIE 1412	Dietetics I	3
DIE 1419	Dietetics Practicum I	3
HSC 2531	Medical Terminology	3
MTB 1103	Business Mathematics	3
- or -		
any 3 credit college Mathematics course (including MAT 1033)		3
SPC 1016	Fundamentals of Speech Communication	3
<b>Total</b>		<b>.15</b>

**Term Three (Summer Term A)**

HUN 1501	Community Nutrition	3
<b>Total</b>		<b>.3</b>

**Term Four**

BSC 1010	Principles of Biology	3
DIE 2211	Dietetics II	3
DIE 2270	Dietetics Practicum II	3
FSS 1221C	Quantity Food Production I	4
SYG 2000	Introduction to Sociology	3
<b>Total</b>		<b>.16</b>

**Term Five**

DIE 2120	Dietetics III	3
DIE 2947	Dietetics Practicum III	3
PSY 2012	General Psychology	3
Any course from Humanities - Area II		3
Elective		3
<b>Total</b>		<b>.15</b>

*Note: General Education and Non-Technical Core Requirements may be taken in any sequence.*

**Emergency Medical Services (AS)**

This program is designed for the student who wishes to increase knowledge in principles of education, supervision or technology related to the paramedic field. The degree candidate follows one of three subject tracks as listed below.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

*Note: State requirements for EMT and Paramedic are under revision and course changes may result for Fall 2001.*

**EDUCATION TRACK (A.S. 2449)**

Course #	Title	Hours
----------	-------	-------

**General Education Requirements**

ENC 1101	College Composition 1	3
SPC 1016	Fundamentals of Speech Communication	3
Any course from Humanities - Area II		3
Any course from Mathematics - Area III		3

**Total General Education Credits Required** .15

**Technical Core Required Courses**

EMS 1119C	EMT *	8
EMS 1271	Paramedic I	2
EMS 1271L	Paramedic Skills I Lab	3
EMS 1272	Paramedic II	6
EMS 272L	Paramedic Skills II Lab	2
EMS 1273	Paramedic III	6
EMS 1273L	Paramedic Skills Lab III	2
EMS 1294L	Clinical/Field Rotation I	7
EMS 1295L	Clinical/Field Rotation II	7

**Total Technical Core Credits Required** .43

**Education Track Courses**

EDF 2005	Foundations of Education	3
FFP 2150	Fire Science Instructional Methodology	3
HSC 2531	Medical Terminology ***	3
CGS 1570	Microcomputer Applications	3
EDP 2002	Introduction to Educational Psychology	3

**Total Track Required Credits** .15

**Total Program Hours** .73

**Suggested Course Sequence****Term One and Term Two**

Paramedic Certificate Program  
(Technical Core Courses)

**A.S./A.A.S. Allied Health Programs****AREAS OF STUDY****SUPERVISORY TRACK (AS 2447)**

Course #	Title	Hours
----------	-------	-------

**General Education Requirements**

ENC 1101	College Composition 1	3
SPC 1016	Fundamentals of Speech Communication	3
Any course from Humanities - Area II		3
Any course from Mathematics - Area III		3

**Total General Education Credits Required** .15

**Technical Core Required Courses**

EMS 1119C	EMT *	8
EMS 1271	Paramedic I	2
EMS 1271L	Paramedic Skills I Lab	3
EMS 1272	Paramedic II	6
EMS 272L	Paramedic Skills II Lab	2
EMS 1273	Paramedic III	6
EMS 1273L	Paramedic Skills Lab III	2
EMS 1294L	Clinical/Field Rotation I	7
EMS 1295L	Clinical/Field Rotation II	7

**Total Technical Core Credits Required** .43

**Technology Track Courses**

BSC 1085	Anatomy and Physiology I	3
BSC 1085L	Anatomy and Physiology I Lab	1
BSC 1086	Anatomy and Physiology II	3
BSC 1086L	Anatomy and Physiology II Lab	1
HSC 2531	Medical Terminology ***	3
CHM 1015	Principles of Chemistry	3
CGS 1060	PC Starter	
<b>Total Track Required Credits</b>		<b>.15</b>
<b>Total Program Hours</b>		<b>.73</b>

**Suggested Course Sequence**

<b>Term One and Term Two</b>	Paramedic Certificate Program (Technical Core Courses)	43
------------------------------	---	----

**Nursing (AAS A309/TPA)****LIMITED ACCESS**

Nursing for the new millennium will focus on: wellness of self and others; technical nursing skills across the life span (emphasis on geriatrics) in both acute care facilities and the community (home) environment; critical care concepts; and professional development. Upon graduation, the student is awarded an associate in applied science degree and is eligible to take the National Council Licensing Exam (NCLEX) to become a Registered Nurse (RN).

As such, the graduate will be a collaborative and integral member of the changing health-care system. His/her uniqueness will be evidenced by leadership in the profession as holistic care is provided and coordinated to our diverse community in Palm Beach County.

Any individual with an arrest record is advised to seek counseling regarding possible limitations toward licensure prior to applying for entrance.

This program is approved by the State Board of Nursing and accredited by the National League for Nursing Accrediting Commission (NLNAC). Program data is annually updated with The National League for Nursing Accrediting Commission, 61 Broadway, 33rd floor, New York, NY 10006, phone: (800) 669-1656, Web site: <http://www.accrediting-comm-nlnac.org>.

Available within this program is admission as either a beginning (generic) or an LPN/transfer student. Since nursing is a limited-access program, entrance requirements are the same; however, the process is different. Generic students submit information and documents directly to the PBCC Limited Access Program Office, phone number: (561) 439-8209. LPN/transfer students submit college application and transcripts to the Admissions Office and all other information directly to the PBCC Nursing and Wellness Office.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Palm Beach County School District Tech Prep students may qualify to receive credit after the completion of 15 semester hours of college work with a C average or better. All General Education requirement courses must be completed with a grade of C or higher to apply to A.A.S. degree programs. Students must present evidence of Tech Prep coursework to the PBCC registrar upon entrance into a college program.

**SPECIAL ADMISSIONS REQUIREMENTS**

The following criteria are established to be eligible for placement in the selection pool. Meeting the criteria for selection does not guarantee admission to the Nursing Program. Final selection will be made using a point system that credits former college education; Nursing Program General Education requirements completed; cumulative grade point average; NLN pre-admission scores; health-related work experience; and Florida residency by the time of application. (For details regarding the point system, see the PBCC Nursing Application Form.) These criteria supersede any previous information.

If a student is not selected, or is selected and does not enter the program, he/she must reapply and is not guaranteed acceptance in any subsequent selection process.

**A.S./A.A.S. Allied Health Programs****1. Special Application and Deadline(s)****A. Generic Students**

Must submit a completed PBCC Nursing Program Application to the Limited Access Program Office (Lake Worth) by June 1 for fall term or October 1 for spring term.

**B. LPN/Transfer Students**

Must submit PBCC's General Admission Application to the PBCC Admissions Office and send the Nursing Department a letter of intent. All admission criteria must be completed by August 1 for fall term and November 15 for spring term.

**2. Standard High School Diploma or GED**

Proof of a standard high school diploma or a U.S. GED certificate must be submitted.

**3. Transcripts**

Official transcripts of high school and all previous college work must be submitted to the Registrar's Office at the Lake Worth location.

**4. Cumulative Grade Point Average**

Cumulative grade point average must be at least a 2.0 in all previous college work attempted.

**5. Medical Exam**

See section 7. G. (3) which follows.

**6. Program Interview/Counseling**

All prospective students are expected to attend a group information session prior to application. Contact the Nursing and Wellness Office for information at (561) 439-8092.

**7. Special Notes**

**A. NLN Pre-admission Exam (generic students only).** Applicants must have NLN Pre-admission test scores on file in the Admissions Office. Information regarding testing dates is available through the Limited Access Program Office or the Testing Center.

**B. The following courses must be completed with a C or higher prior to submitting an application for consideration:**

1. Chemistry: One year of high school chemistry or one semester of college chemistry (CHM 1015 or equivalent).
2. Human Growth & Development: Completion of NUR 2130 (Human Growth and Development), HSC 1010 (Introduction to Developmental Concepts for Health Care Providers) or equivalent.
3. Anatomy & Physiology: Completion of college-level Anatomy & Physiology I (lecture and lab - BSC 1085 and BSC 1085L) completed within the last 10 years.
4. Introduction to Health Care: Completion of the high school Tech Prep curriculum or college Introduction to Health Care (HSC 1000 and HSC 1000L). Experiential learning credit available for qualified students. Contact the Nursing and Wellness Office for details.
5. Proficiency of 80% on the Nurse Procalc software. Successful completion of Nurse Procalc meets the math competency requirement for graduation. Practice is available through the CPI labs. Exams are given in the Testing Center.

**C. LPN applicants only (in addition to 7.B. above):**

**A.S./A.A.S. Allied Health Programs****1. LPN license: documentation of a valid Florida license**

**2. LPN competencies: documentation of one of the following:**

- a Six months LPN work experience within the last five years OR
- b Graduation from LPN school within the past six months.

**3. Credit for nursing courses:**

**a. Successful completion of the NUR 1023 challenge exam (NLN Mobility Profile I - Book 1) with at least a grade of 75 entitles applicant to eight (8) credits. There is a fee for this exam and it is arranged through the Nursing Office. Complete the following prerequisites for Nursing II (NUR 1212):**

- i. Anatomy & Physiology II (within 10 years) BSC 1086 and BSC 1086L
- ii. Microbiology (within 10 years) MCB 2010 and MCB 2010L
- iii. Introduction to Professional Nursing NUR 2000L
- iv. Introduction to Pharmacotherapeutics NUR 1144
- v. Completion of the PBCC Clinical Competency Check List (NUR 1022L)

**b. Optional: passing the NUR 1212 Challenge Exam (NLN Mobility Profile II - Book 2) with a score of 75 entitles the applicant to twelve (12) credits. Complete the following prerequisites for Nursing III - (NUR 2215):**

- i. Elements of Nutrition HUN 1201
- ii. College Composition I ENC 1101
- iii. Essentials of Wellness I HLP 1083
- iv. Completion of the PBCC Clinical Competency Check List (NUR 1213L)

**D. Transfer Students**

Nursing courses may be challenged. Submit nursing course syllabi of the transferring college to the Nursing Department for review.

**E. Challenge Credit**

If previous experience and academic preparation warrants, any student may challenge nursing and other General Education courses through challenge and/or CLEP exams. Challenge exams MUST be arranged through the Nursing and Wellness Department. CLEP exams are arranged with the Testing Center.

PBCC is a participating institution for the ACT-PEP nursing exams. Selected ones are acceptable at admission. Contact the Nursing Department for specifics.

**F. Readmissions**

Students who have been academically dismissed from PBCC's Nursing Program or any other nursing program may (re)apply only after successful completion of an LPN program. Application is the same as stated above for LPN's. (See Nursing Student Handbook for progression statement.)

**ALL of the above requirements must be completed before the applicant will be considered for selection.**

**G. After admission and before beginning any nursing course sequence, the following documentation must be provided to the Nursing Department:**

1. Proof of medical/accident insurance during each enrollment period

**AREAS OF STUDY**

- 2. Valid CPR certificate
- 3. Completed medical form exam (including immunizations and/or titers)
- 4. Drug screening
- 5. Criminal background screening

**H. General Education courses must be taken in their course sequencing but may be taken concurrently or prior to the nursing courses.**

The student must maintain at least a C in all nursing and General Education courses for program continuation and graduation.

**I. For admission, progression and completion of the Nursing Program, the academic unit will evaluate the following areas of competency: emotional, perceptual, cognitive, functional and physical. Reasonable accommodation will be made on an individual basis in accordance with the adaptations set forth in the Essential Competency Study of the National Council of State Boards of Nursing, Inc. (Chornick, 1994). For further information, contact the Nursing Office.**

**Program Prerequisites**

(See preceding Special Notes 7.B.)

6 credits

**Course #****Title**

Hours

**General Education Requirements**

BSC 1086	Anatomy & Physiology II	3
BSC 1086L	Anatomy & Physiology II Lab	1
ENC 1101	College Composition I	3
MCB 2010	Microbiology	3
MCB 2010L	Microbiology Lab	1
SYG 2000	Introduction to Sociology	3
	Any course from Humanities - Area II*	3

**Total General Education Credits Required . . . . . 17**

**Required Courses**

HLF 1083	Essentials of Wellness I (taken with NUR 1212)	1
HLF 1087	Essentials of Wellness II (taken with NUR 2215)	1
HLF 1088	Essentials of Wellness III (taken with NUR 2741C)	1
HUN 1201	Elements of Nutrition	3
NUR 2000L	Introduction to Professional Nursing **	(1)
NUR 1022L	Nursing I Skills Lab	1
NUR 1023	Nursing I	4
NUR 1023L	Nursing I Clinical	3
NUR 1144	Introduction to Pharmacotherapeutics	2
NUR 1212	Nursing II	7
NUR 1212L	Nursing II Clinical	4
NUR 1213L	Nursing II Skills Lab	8
NUR 2215	Nursing III	4
NUR 2215L	Nursing III Clinical	5
NUR 2712C	Nursing IV	4
NUR 2943L	Clinical Preceptorship	4
<b>Total Required Course Credits . . . . .</b>	<b>49</b>	
<b>Total Program Hours . . . . .</b>	<b>.72/(73)</b>	

\*Humanities - art, literature or music

\*\*LPNs/Transfers only prior to first clinical nursing course

<b>Suggested Course Sequence</b> (After acceptance to program)	
<b>Term One</b>	
BSC 1086 Anatomy & Physiology II BSC 1086L Anatomy & Physiology II Lab MCB 2010 Microbiology MCB 2010L Microbiology Lab NUR 1023 Nursing I NUR 1023L Nursing I Clinical NUR 1022L Nursing I Skills Lab NUR 1144 Introduction to Pharmacotherapeutics	
3	1
1	3
3	1
1	1
4	4
3	3
1	1
2	2
<b>Total</b>	<b>18</b>
<b>Term Two</b>	
ENC 1101 College Composition I HLP 1083 Essentials of Wellness I (taken with NUR 1212) HUN 1201 Elements of Nutrition NUR 1212 Nursing II NUR 1212L Nursing II Clinical NUR 1213L Nursing II Skills Lab	3 1 1 7 4 1
<b>Total</b>	<b>19</b>
<b>Term Three</b>	
HLP 1087 Essentials of Wellness II NUR 2215 Nursing III NUR 2215L Nursing III Clinical SYG 2000 Introduction to Sociology	1 8 4 3
<b>Total</b>	<b>16</b>
<b>Term Four</b>	
HLP 1088 Essentials of Wellness III NUR 2712C Nursing IV NUR 2943L Clinical Preceptorship Any course from Humanities - Area II	1 5 4 3
<b>Total</b>	<b>13</b>

*General Education requirements may be taken prior to entrance or during the summer.*

## Occupational Therapy Assistant (AS 2240)

### LIMITED ACCESS

This program is designed to train students to become occupational therapy assistants. The curriculum has been developed using standards (guidelines) established by the American Occupational Therapy Association (AOTA), and the program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE). Graduates are eligible to take a national certification exam given by the National Board for Certification in Occupational Therapy (NBCOT). When students have passed the examination, they are eligible to be licensed by the state of Florida as a Certified Occupational Therapy Assistant (COTA). AOTA is located at 4720 Montgomery Lane, Bethesda, MD 20824-1220. AOTA's phone number is (301) 652-AOTA.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

### SPECIAL ADMISSIONS REQUIREMENTS

To be eligible for consideration for selection, applicants for the Occupational Therapy Assistant Program must meet the following minimum criteria. Meeting minimum criteria for selection does not guarantee admission to the program. Final selection will be made using a point system that credits former college education, cumulative grade point average and required General Education and non-technical program core courses completed by the time of application. (For details regarding the point system, contact the OTA Department.) These criteria supersede any previous information. If a student is selected and does not enter the program, or is not selected, he/she must reapply and is not guaranteed acceptance in any subsequent selection process.

### 1. Special Application

Submit a completed Occupational Therapy Assistant Application and fee to the Limited Access Program Office at the Lake Worth location no later than June 20. The application fee is non refundable.

### 2. Standard High School Diploma or GED

All applicants must have received a standard high school diploma from an accredited institution or a state high school equivalency diploma (GED in English).

## A.S./A.A.S. Allied Health Programs

### 3. Transcripts

Official transcripts (from BOTH high school and college) showing high school graduation or GED results and all previous college work must be received by the Registrar's Office in Lake Worth no later than June 20 in order to remain eligible for consideration for selection.

### 4. Cumulative Grade Point Average

Cumulative grade point average must be at least 2.0 in all previous college work attempted.

### 5. Prerequisites

A. Each applicant must submit a transcript (See #3 above) showing completion of the following with a grade of C or higher:

1. BSC 1085 and 1085L Anatomy & Physiology I and Lab (or equivalent courses) within five years of application deadline
2. HSC 1000 and 1000L Introduction to Health Care and Lab
3. NUR 2130 Human Growth and Development

B. Eight hours of observation, four hours in an inpatient setting and four hours in an outpatient setting. Settings must be in two separate facilities. Observations must be documented on the form enclosed in the application packet.

### 6. Medical Exam

A medical exam is not required for application to this program. (See 7.A. and 7.B. below.)

### 7. Special Notes

A. Once officially accepted into the Occupational Therapy Assistant Program, a PBCC Allied Health medical examination form dated within one year prior to the start of the program must be submitted by the applicant.

B. All accepted applicants for the OTA Program are strongly encouraged to be currently immunized against communicable diseases, including Hepatitis B. Documentation of completion of or refusal to obtain Hepatitis B immunization must be provided upon entrance into the program.

C. Certification in cardiopulmonary resuscitation issued by the American Heart Association (BLS for the Health Care Provider) must be current by the beginning of the program.

D. Students will be required to undergo a criminal background check and drug screen once accepted into the program.

### Course # Title Hours

#### Program Prerequisites

BSC 1085 Anatomy & Physiology I	3
BSC 1085L Anatomy & Physiology I Lab	1
HSC 1000 Introduction to Health Care*	(2)
HSC 1000L Introduction to Health Care Lab*	(1)
NUR 2130 Human Growth & Development	3
<b>Total Prerequisite Credits Required</b>	<b>7</b>

\*Credit for these courses is not counted toward 70 credits in the program total.

### General Education Requirements

ENC 1101 College Composition I	3
PSY 2012 General Psychology	3
SPC 1016 Fundamentals of Speech Communication	3

SYG 2000 Introduction to Sociology	3
Any course from Humanities - Area II	3
Any course from Mathematics - Area III	3
<b>Total General Education Credits required</b> ..... 18	

### Non-Technical Core Requirements

CGS 1570 Microcomputer Applications	3
OTH 1001 Introduction to Occupational Therapy	3
OTH 1014C Kinesiology for Occupational Therapy	3
OTH 1121C Occupations Across the Life Span	2
OTH 1165C Daily Living Skills	2
OTH 1300C Psychosocial Issues in Occupational Therapy	3
OTH 1520C Occupational Therapy with the Pediatric Client	6
OTH 1700 Professional Development	3
OTH 2420C Occupational Therapy with the Adult Client	6
OTH 2705 Management & Fieldwork Issues	2
OTH 2840 Supervised Clinical Practice I	6
OTH 2841 Supervised Clinical Practice II	6
<b>Total Non-Technical Core Credits Required</b> ..... 45	
<b>Total Program Hours</b> ..... 70	

*Note: All OTA students complete Level II Fieldwork (OTH 2840 and 2841) within 18 months following completion of academic preparation. It is advised that students complete as much of the General Education requirements and non-technical core courses as possible prior to starting the program.*

### Suggested Course Sequence

For Technical Core Courses

#### Term One

OTH 1001 Introduction to Occupational Therapy	3
OTH 1014C Kinesiology for Occupational Therapy	3
OTH 1121C Occupations Across the Life Span	2
OTH 1165C Daily Living Skills	2
<b>Total</b> ..... 10	

#### Term Two

OTH 1300C Psychosocial Issues in Occupational Therapy	3
OTH 1520C Occupational Therapy with the Pediatric Client	6
<b>Total</b> ..... 9	

#### Term Three (Summer A)

OTH 1700 Professional Development	3
<b>Total</b> ..... 3	

#### Term Four

OTH 2420C Occupational Therapy with the Adult Client	6
OTH 2705 Management and Fieldwork Issues	2
<b>Total</b> ..... 8	

#### Term Five

OTH 2840 Supervised Clinical Practice I	6
OTH 2841 Supervised Clinical Practice II	6
<b>Total</b> ..... 12	

## Radiography (AS 2303/TPA)

### LIMITED ACCESS

Radiologic technologists combine the high technology of medical imaging with their skills of patient care to create an X-ray image or radiograph. The program has a 24-month, competency-based curriculum that includes practical experience in local hospitals. Beginning each January, the program requires a full-time commitment between 8:00 a.m. and 4:00 p.m. daily. For more information, visit our Web site at:  
<http://www.pbcc.cc.fl.us/eissweb/vshaver/contents>

This program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 North Wacker Drive, Suite 900, Chicago, IL 60606, phone (312) 704-5300, Web site: <http://www.jcert.org>.

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

Palm Beach County School District Tech Prep students may qualify to receive credit after the completion of 15 semester hours of college work with a C average or better. All General Education requirement courses must be completed with a grade of C or higher to apply to A.S. degree programs. Students must present evidence of Tech Prep coursework to the PBCC registrar upon entrance into a college program.

### SPECIAL ADMISSIONS REQUIREMENTS - LIMITED ACCESS PROGRAMS

The following criteria are established to be eligible to be placed in the selection pool. Meeting the criteria for selection does not guarantee admission to the Radiography Program. Final selection will be based on the applicant pool.

If a student is selected and does not enter the program or is not selected, he/she must reapply and is not guaranteed acceptance in any subsequent selection process.

#### 1. Special Application and Deadline

The applicant must complete and submit the Radiography Program application package by September 1 of each year in order to be eligible for consideration for selection into the program.

#### 2. Standard High School Diploma or GED

Proof of a standard high school diploma or a U.S. GED certificate must be submitted.

#### 3. Transcripts

Official transcripts of high school and all previous college work must be submitted to the Registrar's Office at the Palm Beach Gardens location.

#### 4. Cumulative Grade Point Average

Cumulative grade point average must be at least 2.0 in all previous college work attempted.

#### 5. Placement Test Scores

Placement test scores must meet minimum requirements for

## A.S./A.A.S. Allied Health Programs

entrance into college-level English and math courses or required remediation must have been successfully completed. Completion (C or higher) of three college credits for math and for English courses may be used in lieu of placement scores.

### 6. Program Advisement

The program faculty conduct a mandatory open house advisement session.

### 7. Prerequisite: Hospital Observation

Each prospective student must document at least eight hours of observation in a radiology department.

Course #	Title	Hours
<b>Program Prerequisites</b>		
HSC 1000	Introduction to Health Care *	(2)
(or high school tech prep)		
HSC 1000L	Introduction to Health Care Lab *	(1)
BSC 1085	Anatomy & Physiology I	3
BSC 1085L	Anatomy & Physiology I Lab	1
<b>Total Prerequisite Credits Required</b>		<b>7</b>
<i>*Credit for these courses is not counted toward 77 credits in program total.</i>		
<b>General Education Requirements</b>		
BSC 1086	Anatomy & Physiology II	3
BSC 1086L	Anatomy & Physiology II Lab	1
ENC 1101	College Composition I	3
MAC 1105	College Algebra	3
PSY 2012	General Psychology	3
	Any course from Humanities - Area II	3
<b>Total General Education Credits Required</b>		<b>16</b>
<b>Required Courses</b>		
CGS 1570	Microcomputer Applications	3
RTE 1000	Introduction to Radiography	3
RTE 1401	Radiographic Imaging I	2
RTE 1401L	Radiographic Imaging I Lab	1
RTE 1503	Radiographic Procedures I	3
RTE 1503L	Radiographic Procedures I Lab	1
RTE 1513	Radiographic Procedures II	2
RTE 1513L	Radiographic Procedures II Lab	1
RTE 1804	Radiographic Clinical Education I	3
RTE 1814	Radiographic Clinical Education II	2
RTE 1457	Radiographic Imaging II	2
RTE 1457L	Radiographic Imaging II Lab	1
RTE 1523	Radiographic Procedures III	3
RTE 1523L	Radiographic Procedures III Lab	1
RTE 1824	Radiographic Clinical Education III	3
RTE 2533	Radiographic Procedures IV	3
RTE 2533L	Radiographic Procedures IV Lab	1
RTE 2613	Radiologic Physics	3
RTE 2834	Radiographic Clinical Education IV	3
<b>Total Required Course Credits</b>		<b>57</b>
<b>Total Program Hours</b>		<b>77</b>

## A.S./A.A.S. Allied Health Programs

### Suggested Course Sequence

#### Term One (Spring)

BSC 1086	Anatomy & Physiology II	3
BSC 1086L	Anatomy & Physiology II Lab	1
RTE 1000	Introduction to Radiography	3
RTE 1503	Radiographic Procedures I	3
RTE 1503L	Radiographic Procedures I Lab	1
RTE 1804	Radiographic Clinical Education I	3
<b>Total</b>		<b>14</b>

#### Term Two (Summer A/B)

RTE 1401	Radiographic Imaging I	2
RTE 1401L	Radiographic Imaging I Lab	1
RTE 1513	Radiographic Procedures II	2
RTE 1513L	Radiographic Procedures II Lab	1
RTE 1814	Radiographic Clinical Education II	2
<b>Total</b>		<b>8</b>

#### Term Three (Fall)

MAC 1105	College Algebra	3
RTE 1457	Radiographic Imaging II	2
RTE 1457L	Radiographic Imaging II Lab	1
RTE 1523	Radiographic Procedures III	3
RTE 1523L	Radiographic Procedures III Lab	1
RTE 1824	Radiographic Clinical Education III	3
<b>Total</b>		<b>13</b>

#### Term Four (Spring)

CGS 1570	Microcomputer Applications	3
ENC 1101	College Composition I	3
RTE 2533	Radiographic Procedures IV	3
RTE 2533L	Radiographic Procedures IV Lab	1
RTE 2613	Radiologic Physics	3
RTE 2834	Radiographic Clinical Education IV	3
<b>Total</b>		<b>16</b>

#### Term Five (Summer A/B)

RTE 2385	Radiobiology	3
RTE 2563	Advanced Medical Imaging	3
RTE 2844	Radiographic Clinical Education V	2
<b>Total</b>		<b>8</b>

#### Term Six (Fall)

PSY 2012	General Psychology	3
RTE 2023	Pharmacology for Medical Imaging	3
RTE 2473L	Radiography Seminar	3
RTE 2854	Radiographic Clinical Education VI	3
<b>Total</b>		<b>14</b>

## Respiratory Care (A.S. 2148)

### LIMITED ACCESS

This program is designed for the student who wants to be employed as a respiratory care practitioner. Earning the A.S. degree in Respiratory Therapy enables the student to sit for the National Board for Respiratory Care (NBRC) Registry Exam and become a registered respiratory therapist (RRT).

Many programs have articulation agreements with other colleges and universities that allow students to transfer course or program credit into a four-year program. For more information about articulation agreements in your course area, please speak with your department chair.

### SPECIAL ADMISSIONS REQUIREMENTS

#### 1. Special Application and Deadline(s):

- A. Beginning Program Students: Attend mandatory group counseling session; complete program application prior to May deadline to be considered for eligibility in selection process.

- B. Respiratory Care Technology Transfer Students: Arrange appointment with program director prior to application submission. Transcripts from college transferring from must be evaluated prior to placement consideration.

- C. Other Transfer Students: Arrange appointment with program director prior to application submission.

#### 2. Standard High School Diploma or GED:

Proof of a standard high school diploma or a U.S. GED certificate must be submitted.

#### 3. Transcripts:

Official transcripts of high school and all previous college work must be submitted to the Registrar's Office at the Palm Beach Gardens location.

#### 4. Cumulative Grade Point Average (GPA):

Cumulative grade point average must be at least 2.0 on a scale of 4.0 in all previous college work attempted. The student must have at least 12 or more semester hours of college in order to use college GPA; otherwise, high school GPA will be used.

#### 5. Medical Exam:

All accepted applicants for this program are strongly encouraged to be currently immunized against communicable diseases, including Hepatitis B. Documentation of completion of or refusal to obtain Hepatitis B immunization must be provided upon entrance into the program. Once officially accepted into the program, a medical examination on PBCC Allied Health Medical Examination Forms dated within one year prior to the start of the program must be submitted by the applicant.

**6. Program/Interview Counseling:**

Mandatory group counseling sessions are scheduled throughout the year held at the Palm Beach Gardens location with program faculty. Following this session, the applicant will be scheduled for the mandatory clinical observation at a nearby hospital arranged by the director of clinical education.

**7. Special Notes:**

It is strongly recommended students complete General Education and science requirements prior to entering the program due to the heavy time demand of clinical courses. Required coursework completed with C or better prior to the beginning of the program will earn the applicant points toward selection criteria. Graduates of the program who successfully pass the NBRC examinations will then apply for Florida state licensure to practice. Licensure in the state of Florida must meet Florida Department of Health requirements. See program application packet for affidavit.

Program graduates may transfer into the baccalaureate degree program in cardiopulmonary sciences at University of Central Florida after the A.A. degree requirements have been met. See program director for details.

**Course # Title Hours****Program Prerequisites**

BSC 1085	Anatomy & Physiology I	3
BSC 1085L	Anatomy & Physiology I Lab	1
HSC 1000	Introduction to Health Care *	(2)
HSC 1000L	Introduction to Health Care Lab *	(1)
<b>Total Prerequisite Credits Required</b>		<b>7</b>

\* Credit for these courses is not counted toward 76 credits in program total.

**General Education Requirements**

ARH 1000	Art Appreciation	
	- or -	
MUL 1010	Music Appreciation	
	- or -	
THE 1000	Theatre Appreciation	3
BSC 1086	Anatomy & Physiology II	3
BSC 1086L	Anatomy & Physiology II Lab	1
CHM 1015	Principles of Chemistry	3
ENC 1101	College Composition I	3
MAC 1105	College Algebra	3
MCB 2010	Microbiology	3
MCB 2010L	Microbiology Lab	1
PHY 1007	Physics for Allied Health Professions	3
SYG 2000	Introduction to Sociology	3
<b>Total General Education Credits Required</b>		<b>23</b>

**Required Courses**

PHY 1007	Physics for Allied Health Professions	3
RET 1272	Fundamentals of Respiratory Care I	9
RET 1272L	Fundamentals of Respiratory Care I Laboratory	3
RET 1273	Fundamentals of Respiratory Care II	6
RET 1273L	Fundamentals of Respiratory Care II Laboratory	2
RET 1874L	Respiratory Care Clinical Internship I	1
<b>Total</b>		<b>13</b>
RET 1275L	Respiratory Care Clinical Internship II	3
<b>Total</b>		<b>11</b>
RET 1876C	Respiratory Care Clinical Internship III	4
<b>Total</b>		<b>4</b>
RET 2280C	Fundamentals of Respiratory Care Therapy III	7
RET 2877L	Respiratory Care Clinical Internship IV	2
<b>Total</b>		<b>9</b>
RET 2534C	Fundamentals of Respiratory Care Therapy IV	7
RET 2878L	Respiratory Care Clinical Internship V	2
<b>Total</b>		<b>9</b>

**A.S./A.A.S. Allied Health Programs**

RET 1874L	Respiratory Care Clinical Internship I	1
RET 1875L	Respiratory Care Clinical Internship II	3
RET 1876C	Respiratory Care Clinical Internship III	4
RET 2280C	Fundamentals of Respiratory Care Therapy III	7
RET 2534C	Fundamentals of Respiratory Care Therapy IV	7
RET 2877L	Respiratory Care Clinical Internship IV	2
RET 2878L	Respiratory Care Clinical Internship V	2
<b>Total Required Course Credits</b>		<b>49</b>
<b>Total Program Hours</b>		<b>76</b>

**Suggested Completion Prior to Entry**

ARH 1000 Art Appreciation

- or -

MUL 1010 Music Appreciation

- or -

THE 1000 Theatre Appreciation

BSC 1086 Anatomy & Physiology II

BSC 1086L Anatomy & Physiology II Lab

CHM 1015 Principles of Chemistry

ENC 1101 College Composition I

MAC 1105 College Algebra

MCB 2010 Microbiology

MCB 2010L Microbiology Lab

PHY 1007 Physics for Allied Health Professions

SYG 2000 Introduction to Sociology

**Total**

**Suggested Course Sequence****Term One**

RET 1272 Fundamentals of Respiratory Care I

RET 1272L Fundamentals of Respiratory Care I Laboratory

RET 1874L Respiratory Care Clinical Internship I

**Total**

**Term Two**

RET 1273 Fundamentals of Respiratory Care II

RET 1273L Fundamentals of Respiratory Care II Laboratory

RET 1875L Respiratory Care Clinical Internship II

**Total**

**Term Three**

RET 1876C Respiratory Care Clinical Internship III

**Total**

**Term Four**

RET 2280C Fundamentals of Respiratory Care

Therapy III

RET 2877L Respiratory Care Clinical Internship IV

**Total**

**Term Five**

RET 2534C Fundamentals of Respiratory Care

Therapy IV

RET 2878L Respiratory Care Clinical Internship V

**Total**

*Note: All RET prefix, prerequisite and corequisite courses must be completed with C or better. All RET prefix courses must be taken in sequence. Advanced placement for previous experience and/or academic preparation is considered through arrangement with the program director. Competency testing may be required for advanced placement or transfer requests at the discretion of the program director.*

**Advanced Technical Certificates (ATC)****Cardiovascular Intervention Technology (ATC 4320)**

This curriculum is offered to the Radiologic Technologist licensed by the American Registry of Radiologic Technologists (ARRT). This coursework is offered for the technologist who desires to become proficient in the advanced modality of Cardiovascular Intervention Technology (CVIT), and in preparation for the Advanced Registry offered by the ARRT in CVIT. An Advanced Technical Certificate (ATC) in Cardiovascular Intervention is awarded to the student who holds a two-year degree from an accredited college or university and completes a minimum of 9 credit hours from the courses listed below.

**SPECIAL ADMISSION REQUIREMENTS**

These courses are available to any active, current RT in good standing with the American Registry of Radiologic Technologists (ARRT). Please refer to course descriptions for any prerequisite requirements. All courses must be completed with a grade of C or better to be awarded an Advanced Technical Certificate.

**Course # Title Hours****Required Courses (Both must be taken)**

RTE 2582	Cardiovascular Intervention Technology I	3
RTE 2583	Cardiovascular Intervention Technology II	3
<b>Total Required Course Credits</b>		<b>6</b>

**Electives (Choose one)**

RTE 2130	Pharmacology for Medical Imaging	3
RTE 2583L	Cardiovascular Intervention Technology Clinical Education	3
RTE 2782	Advanced Pathophysiology for Medical Imaging	3

**Total Elective Credits Required** ..... 3

**Total Program Hours** ..... 9

**Electives (Choose one)**

RTE 2130	Pharmacology for Medical Imaging	3
RTE 2296	Physical Assessment of Advanced Concepts of Arrhythmia Interpretation	2
RTE 2297	Clinical Integration of Basic Electrocardiography for Nurses	3

**Total Elective Credits Required** ..... 3

**Total Program Hours** ..... 9

**Electives (Choose one)**

NUR 2042	Overcoming Communication Barriers with the Hispanic Patient	1
NUR 2062	Physical Assessment of the Neurological System	1
NUR 2144	Pharmacotherapeutics of the Critically Ill Adult	2

**Total Elective Credits Required** ..... 2

**Total Program Hours** ..... 12

**AREAS OF STUDY****Cardiovascular Nursing (ATC 4316)**

This curriculum is offered to licensed registered nurses (RNs) who require additional coursework to become employed in a (monitored) cardiovascular care area. An Advanced Technical Certificate (ATC) in Cardiovascular Nursing is awarded to the student who completes a minimum of 12 credit hours in any combination of the courses listed below.

**SPECIAL ADMISSIONS REQUIREMENTS**

These courses are available to any RN who desires a broader knowledge base in this specialty area. Applicants for this program must hold a current RN license. All courses must be completed with a grade of C or better to apply for ATC completion. Refer to course descriptions for prerequisites of courses listed below.

Course #	Title	Hours
<b>Required Courses (Both must be taken)</b>		
NUR 2294C	Cardiovascular Nursing	6
NUR 2948L	Cardiovascular Nursing Preceptorship	2
<b>Total Required Course Credits</b>		
<b>Electives (Choose at least four credit hours.)</b>		
NUR 2042	Overcoming Communication Barriers with the Hispanic Patient	1
NUR 206		

## Community Home Health Nursing (ATC 4319)

This curriculum is offered to licensed RNs who require additional coursework to become employed in a home health care specialty area. An Advanced Technical Certificate (ATC) in Community Home Health Care Nursing is awarded to the student who completes a minimum of 16 credit hours in any combination of the courses listed below.

### SPECIAL ADMISSIONS REQUIREMENTS

These courses are available to any RN who desires a broader knowledge base in this specialty area. All applicants for this program must hold a current RN license. All courses must be completed with a grade of C or better to apply for ATC completion. Refer to course descriptions for prerequisites of courses listed below.

Course #	Title	Hours
<b>Required Courses (Choose at least two.)</b>		
NUR 2252	Community/Home Health Nursing: Standards & Regulations	4
NUR 2690	Community/Home Health Nursing: Documentation	4
NUR 2691	Community/Home Health Nursing: Case Management	4
<b>Total Course Credits Required</b>		<b>■ or 12</b>
<b>Electives</b>		
NUR 2042	Overcoming Communication Barriers with the Hispanic Patient	1
NUR 2062	Physical Assessment of the Neurological System	1
NUR 2091	Advanced Principles of I.V. Therapy	1
NUR 2191	Cardio-Pulmonary Pharmacotherapeutics	2
NUR 2241	Medical-Surgical Nursing	6
NUR 2296	Physical Assessment of Advanced Concepts of Arrhythmia Interpretation	2
NUR 2297	Clinical Integration of Basic Electrocardiography for Nurses	3
NUR 2791	Antibiotic and Anti-infective Therapy	2
NUR 2793	Nursing Process Applied to Basic Principles of Intravenous Therapy	2
NUR 2794	Clinical Assessment of Oxygenation and Acid-Base Status	2
NUR 2797	Clinical Integration of Mechanical Ventilation	2
NUR 2934L	Clinical Preceptorship in Intravenous Therapy	1
NUR 2935	Clinical Application of 12 Lead Electrocardiography	3
NUR 2990	Physical Examination and History Taking of the Adult-Part I	3
	Introduction to Complementary and Alternative Medicine	2
	Harnessing Energy for Healing	2
<b>Total Elective Credits Required</b>		<b>4 or 8</b>
<b>Total Program Hours</b>		<b>16</b>

## Computed Tomography (ATC 4321)

This curriculum is offered to the Radiologic Technologist licensed by the American Registry of Radiologic Technologists (ARRT). This coursework is offered for the technologist who desires to become proficient in the advanced modality of Computed Tomography (CT), and in preparation for the Advanced Registry offered by the ARRT in CT. An Advanced Technical Certificate (ATC) in Computed Tomography is awarded to the student who holds a two-year degree from an accredited college or university and completes a minimum of 9 credit hours from the courses listed below.

### SPECIAL ADMISSION REQUIREMENTS

These courses are available to any RN who desires a broader knowledge base in this specialty area. All applicants for this program must hold a current RN license. All courses must be completed with a grade of C or better to apply for ATC completion. Refer to course descriptions for prerequisites of courses listed below.

### SPECIAL ADMISSION REQUIREMENTS

These courses are available to any active, current RT in good standing with the American Registry of Radiologic Technologists (ARRT). Please refer to course descriptions for any pre-requisite requirements. All courses must be completed with a grade of C or better to be awarded an Advanced Technical Certificate.

Course #	Title	Hours
<b>Required Courses (Both must be taken)</b>		
RTE 2571	Computed Tomography I	3
RTE 2572	Computed Tomography II	3
<b>Total Course Credits Required</b>		<b>.6</b>
<b>Electives (Choose one of the following.)</b>		
RTE 2130	Pharmacology for Medical Imaging	3
RTE 2571L	Computed Tomography Clinical Education	3
RTE 2785	Advanced Pathophysiology for Medical Imaging	3
<b>Total Elective Credits Required</b>		<b>.3</b>
<b>Total Program Hours</b>		<b>.9</b>

## Critical Care Nursing (ATC 4315)

This curriculum is offered to licensed RNs who require additional coursework to become employed in a critical care specialty area. An Advanced Technical Certificate (ATC) in Critical Care Nursing is awarded to the student who completes a minimum of 12 credit hours in any combination of the courses listed below.

### SPECIAL ADMISSIONS REQUIREMENTS

These courses are available to any RN who desires a broader knowledge base in this specialty area. Applicants to this program must hold a current RN license. All courses must be completed with a grade of C or better to apply for ATC completion. Refer to course descriptions for prerequisites of courses listed below.

Course #	Title	Hours
<b>Required Courses (Choose at least one)</b>		
NUR 2274	Emergency/Trauma Nursing	6
NUR 2291C	Critical Care Nursing (must also take NUR 2944L to complete ATC)	6
NUR 2944L	Critical Care Nursing Preceptorship	2
NUR 2392	Pediatric Intensive Care Nursing	6
<b>Total Required Course Credits</b>		<b>.6 or 8</b>
<b>Electives</b>		
NUR 2042	Overcoming Communication Barriers with the Hispanic Patient	1
NUR 2062	Physical Assessment of the Neurological System	1
NUR 2144	Pharmacotherapeutics of the Critically Ill Adult	2
NUR 2296	Physical Assessment of Advanced Concepts of Arrhythmia Interpretation	2
NUR 2297	Clinical Integration of Basic Electrocardiography for Nurses	3
NUR 2791	Antibiotic and Anti-infective Therapy	2
NUR 2794	Clinical Assessment of Oxygenation and Acid-Base Status	2
NUR 2797	Clinical Integration of Mechanical Ventilation	2
NUR 2935	Clinical Application of 12 Lead Electrocardiography	3
NUR 2990	Physical Examination and History Taking of the Adult-Part I	3
	Pharmacology for ACLS	2
	Introduction to Complementary and Alternative Medicine	2
	Harnessing Energy for Healing	2
	Intensive Care of the Cardiac Surgery Patient	2
<b>Total Elective Credits Required</b>		<b>.4 or 6</b>
<b>Total Program Hours</b>		<b>12</b>

## Magnetic Resonance Imaging (ATC 4322)

This curriculum is offered to the Radiologic Technologist licensed by the American Registry of Radiologic Technologists (ARRT). This coursework is offered for the technologist who desires to become proficient in the advanced modality of Magnetic Resonance Imaging (MRI), and in preparation for the Advanced Registry offered by the ARRT in MRI. An Advanced Technical Certificate (ATC) in Magnetic Resonance Imaging is awarded to the student who holds a two-year degree from an accredited college or university and completes a minimum of 9 credit hours from the courses listed below.

### SPECIAL ADMISSION REQUIREMENTS

These courses are available to any active, current RT in good standing with the American Registry of Radiologic Technologists (ARRT). Please refer to course descriptions for any prerequisite requirements. All courses must be completed with a grade of C or better to be awarded an Advanced Technical Certificate.

Course #	Title	Hours
<b>Required Courses (Both must be taken)</b>		
RTE 2575	Magnetic Resonance Imaging I	3
RTE 2576	Magnetic Resonance Imaging II	3
<b>Total Required Course Credits</b>		<b>.6</b>
<b>Electives (Choose one of the following.)</b>		
RTE 2130	Pharmacology for Medical Imaging	3
RTE 2576L	Magnetic Resonance Imaging Clinical Education	3
RTE 2782	Advanced Pathophysiology for Medical Imaging	3
<b>Total Elective Credits Required</b>		<b>.3</b>
<b>Total Program Hours</b>		<b>.9</b>

## Medical Surgical Nursing (ATC 4318)

This curriculum is offered to licensed RNs who require additional coursework to become employed in a medical surgical area. An Advanced Technical Certificate (ATC) in Medical Surgical Nursing is awarded to the student who completes a minimum of 12 credit hours in any combination of the courses listed below.

### SPECIAL ADMISSIONS REQUIREMENTS

These courses are available to any RN who desires a broader knowledge base in this specialty area. Applicants for this program must hold a current RN license. All courses must be completed with a grade of C or better to apply for ATC completion. Refer to course descriptions for prerequisites of courses listed below.

Course #	Title	Hours
<b>Required Courses (Choose at least one)</b>		
NUR 2241	Medical-Surgical Nursing	6
NUR 2241	RN Re-entry Course (lecture component)	6
NUR 2942L	RN Clinical Preceptorship (NUR 2241 and NUR 2942 must be taken to complete RN Re-entry Course.)	4
<b>Total Required Course Credits</b>		<b>.6 or 10</b>

<b>Electives</b>		
NUR 2042	Overcoming Communication Barriers with the Hispanic Patient	1
NUR 2062	Physical Assessment of the Neurological System	1
NUR 2091	Advanced Principles of Intravenous Therapy	1
NUR 2191	Cardio-Pulmonary Pharmacotherapeutics	2
NUR 2296	Physical Assessment of Advanced Concepts of Arrhythmia Interpretation	2
NUR 2297	Clinical Integration of Basic Electrocardiography for Nurses	3
NUR 2791	Antibiotic and Anti-infective Therapy	2
NUR 2793	Nursing Process Applied to Basic Principles of Intravenous Therapy	2
NUR 2794	Clinical Assessment of Oxygenation and Acid-Base Status	2
NUR 2934L	Clinical Preceptorship in Intravenous Therapy	1
NUR 2935	Clinical Application of 12 Lead Electrocardiography	3
NUR 2942L	RN Clinical Preceptorship	4
NUR 2990	Physical Examination and History Taking of the Adult-Part I	3
	Pharmacology for ACLS	2
	Introduction to Complementary and Alternative Medicine	2
	Harnessing Energy for Healing	2
<b>Total Elective Credits Required</b>		<b>.2 or 6</b>
<b>Total Program Hours</b>		<b>.12</b>

**Advanced Technical Certificates (ATC)****Perioperative Nursing (ATC 4317)**

This curriculum is offered to licensed RNs who require additional coursework to become employed in a perioperative specialty area. An Advanced Technical Certificate (ATC) in Perioperative Nursing is awarded to the student who completes a minimum of 12 credit hours in any combination of the courses listed below.

**SPECIAL ADMISSIONS REQUIREMENTS**

These courses are available to any RN who desires a broader knowledge base in this specialty area. Applicants to this program must hold a current RN license. All courses must be completed with a grade of C or better to apply for ATC completion. Refer to course descriptions for prerequisites of courses listed below.

Course #	Title	Hours
<b>Required Courses (Choose at least one.)</b>		
NUR 2293C	Perioperative Nursing	6
NUR 2790	Registered Nurse First Assistant (lecture component)	3
NUR 2790L	Registered Nurse First Assistant (clinical component)(NUR 2790 & NUR 2790L must be taken together)	3
<b>Total Required Course Credits</b>		<b>.6</b>
<b>Electives</b>		
NUR 2042	Overcoming Communication with the Hispanic Patient	1
NUR 2062	Physical Assessment of the Neurological System	1
NUR 2091	Advanced Principles of I.V. Therapy	1
NUR 2144	Pharmacotherapeutics of the Critically Ill Adult	2
NUR 2191	Cardio-Pulmonary Pharmacotherapeutics	2
NUR 2296	Physical Assessment of Advanced Concepts of Arrhythmia Interpretation	2
NUR 2297	Clinical Integration of Basic Electrocardiography for Nurses	3
NUR 2791	Antibiotic and Anti-infective Therapy	2
NUR 2793	Nursing Process Applied to Basic Principles of Intravenous Therapy	2
NUR 2794	Clinical Assessment of Oxygenation and Acid-Base Status	2
NUR 2797	Clinical Integration of Mechanical Ventilation	2
NUR 2934L	Clinical Preceptorship in Intravenous Therapy	1
NUR 2935	Clinical Application of 12 Lead Electrocardiography	3
NUR 2990	Physical Examination and History Taking of the Adult-Part I	3
	Pharmacology for ACLS	2
	Intensive Care of the Cardiac Surgery Patient	2
<b>Total Elective Credits Required</b>		<b>.6</b>
<b>Total Program Hours</b>		<b>.12</b>

**Post Secondary Vocational Certificate (PSVC)****Paramedic (PSVC 6450)****LIMITED ACCESS**

This certificate program is offered for individuals who wish to complete the core curriculum and be eligible for licensure by the state of Florida to practice as a paramedic. The course content includes lecture, skills lab and clinical/fire rescue rotations as outlined in the core requirements of the Emergency Medical Services A.S. degree program.

**SPECIAL ADMISSIONS REQUIREMENTS**

Special admission requirements are associated with this program.

*Note: State requirements for EMT and Paramedic are under revision and course changes may result for Fall 2001.*

Course #	Title	Hours
EMS 1119C	Emergency Medical Service Technology *	8
EMS 1271	Paramedic I	2
EMS 1271L	Paramedic Skills I Lab	3
EMS 1272	Paramedic II	6
EMS 1272L	Paramedic Skills II Lab	2
EMS 1273	Paramedic III	6
EMS 1273L	Paramedic Skills III Lab	2
EMS 1294L	Clinical/Field Rotation I	7
EMS 1295L	Clinical/Field Rotation II	7
<b>Total Credit Hours Required</b>		<b>.43</b>

*\* These credits will be awarded to individuals who possess a current Florida State EMT certificate.*

## Accounting Operations (PSAV 5044)

This program prepares the student for entry-level accounting employment. It provides training for persons previously or currently employed from beginning applications of accounting principles and practices through the full accounting cycle. Manual and automated systems are taught, including commonly used accounting software.

### Required Courses

Course#	Title	Clock Hours
<b>Group A</b>		
OTA 0101	Keyboarding/Word Processing I	45
OST 0105	Information Processing	30
OST 0465	Office Operations I	75
<b>Group B</b>		
CGS 0000	Microcomputer Fundamentals	45
OST 0104	Keyboarding/Word Processing II	30
OST 0466	Office Operations II	75
<b>Group C</b>		
ACO 0601	The Accounting Environment I	100
ACO 0101	Beginning Bookkeeping	200
<b>Group D</b>		
ACO 0511	Automated Bookkeeping	150
ACO 0611	Accounting Communications	50
ACO 0948	Accounting Internship - or -	
ACO 0605	The Accounting Environment II (If internship is not available)	100
<b>Total Program Hours</b>		900

### COMPLETION REQUIREMENTS

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 9.

## Administrative Assistant (PSAV 5519)

This program is designed to prepare the student for employment as an administrative assistant. Program content includes the development of communication, critical thinking and decision-making skills; the performance of office procedures; the production of quality work in an efficient manner using advanced features of business software applications; research of job opportunities and the production of an employment portfolio.

### Required Courses

Course#	Title	Clock Hours
<b>Group A</b>		
OST 0105	Information Processing	30
OST 0465	Office Operations I	75
OTA 0101	Keyboarding/Word Processing I	45
<b>Group B</b>		
CGS 0000	Microcomputer Fundamentals	45
OST 0104	Keyboarding/Word Processing II	30
OST 0466	Office Operations II	75
<b>Group C</b>		
OST 0431	Office Procedures I Simulation	150
OCA 0504	Business Applications I	150
<b>Group D</b>		
OST 0051	Professional Development	50
OTA 0452	Office Procedures II Simulation	20

OCA 0506 Business Applications II 200  
**Total Program Hours** ..... 1050

### COMPLETION REQUIREMENTS

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 10; English: 10; Mathematics: 10.

## Applied Welding Technologies (PSAV 5460)

This program is designed to prepare the student for employment or advanced training in a variety of occupations in the welding industry. It is a planned sequence of instruction consisting of six areas: 1) welder helper, 2) welder, shielded metal arc, 3) welder, gas-metal arc, 4) welder, flux cored arc (industry), 5) welder, gas tungsten arc, and 6) welder, pipe.

The content includes, but is not limited to, leadership, communication skills, human relations and employability skills, safe and efficient work practices, and use of cutting and/or welding processes to fabricate parts according to shop drawings or written specifications.

Shop or laboratory activities are an integral part of this program and provide instruction in various processes and techniques of welding and fabrication skills; including thermal cutting, Shielded Metal Arc Welding, Gas Metal Arc Welding, Flux Cored Arc Welding, Gas Tungsten Arc Welding, Certification Test Preparation, and use of current industry standards, practices and techniques.

This curriculum is under development. For more information, visit the Workforce Development Web site: <http://www.pbcc.cc.fl.us/workforce/index.htm>.

**Total Program Hours** ..... 1170

### COMPLETION REQUIREMENTS

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 9.

## Apprenticeship Programs

Apprenticeship is a combination of on-the-job training and related classroom instruction in which workers learn the practical and theoretical aspects of a highly skilled occupation. Programs are sponsored by apprenticeship organizations in partnership with Palm Beach Community College. Students work during the day and attend classes two nights a week during the academic year. Classes are held at various locations in central Palm Beach County. Programs require from three to five years to complete. Successful completers are awarded Journey Level credentials, which are nationally recognized.

Apprentices are enrolled at Palm Beach Community College in PSAV Career Certificate Programs. Prospective students apply directly to the apprenticeship organization. Full-time employment with a participating sponsor is required of apprenticeship students.

## Post Secondary Adult Vocational Certificates (PSAV)

Apprenticeships are available in:

Program#	Apprenticeship Program	Total Years
5266	Air Conditioning and Refrigeration	4
5256	Air Conditioning and Refrigeration	5
5254	Brick & Block Masonry	3
5255	Carpentry	4
5170	Electrical	4
5257	Electrical	5
5265	Fire Sprinkler	4
5258	Iron Work (Structural Steel)	4
5259	Painter	4
5260	Pipe Fitter	5
5261	Plasterer	3
5174	Plumbing	4
5262	Plumbing	5
5263	Sheet Metal	4
5264	Tile Setter	3

**Total Program Hours** ..... 1400

### COMPLETION REQUIREMENTS

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 9.

## Automotive Detailing and Reconditioning (PSAV 5462)

This program is designed to prepare the student for employment as an automobile detailer. Shop or laboratory activities are an integral part of this program and provide instruction in the use of hand and power tools, interior and exterior cleaning of vehicles, fabric and vinyl repairs, cleaning and preservation of vehicle paint surfaces and application of pinstripes and window tint.

This curriculum is under development. For more information, visit the Workforce Development Web site: <http://www.pbcc.cc.fl.us/workforce/index.htm>.

**Total Program Hours** ..... 450

### COMPLETION REQUIREMENTS

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 9.

## Automotive Service Technologies (PSAV 5463)

This program is designed to prepare the student for employment and/or specialized training in the automotive industry. The Automotive Service Technology Program provides for instruction in eight areas of automobile specialization. Competencies to exit for employment are established by the Automotive Industries for Industry Training Standards.

Shop or laboratory activities are an integral part of the Automotive Technologies program. These activities provide instruction in the use of automotive service equipment, tools, materials and processes found in the automotive service industry.

This curriculum is under development. For more information, visit the Workforce Development Web site: <http://www.pbcc.cc.fl.us/workforce/index.htm>.

**Total Program Hours** ..... 1800

### COMPLETION REQUIREMENTS

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 10.

**Cabinetmaking (Carpentry) (PSAV 5464)**

This program is designed to prepare the student for employment in the cabinetmaking industry. Classroom, shop and laboratory activities are an integral part of this program. These activities include instruction in the use of safety procedures, tools, equipment, materials, and processes found in the industry.

This program is a planned sequence of instruction consisting of one common core course plus seven instructional areas. The recommended sequence allows students to complete specified portions of the program for employment or to remain for advanced training.

This curriculum is under development. For more information, visit the Workforce Development Web site: <http://www.pbcc.cc.fl.us/workforce/index.htm>.

**Total Program Hours .....** 1200

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 9.

**Child Care (PSAV 5348)**

The Child Care program consists of two certifications: the 40-hour Child Care Certification and the Child Development Associate (CDA) Certification.

**40-HOUR CHILD CARE CERTIFICATION**

This course fulfills the 30 and the 10-hour requirements for child care worker certification necessary for employment in a licensed childcare facility. The course content includes local rules and regulations, child abuse and neglect, health, safety and nutrition, child growth and development, behavioral observation and screening and developmentally appropriate practices for young children. Upon successful completion, the Department of Children and Families 40-Hour Certificate is awarded.

**Required Courses**

Course #	Title	Clock Hours
HEV 0104	40-Hour Child Care Certification	40
<b>Total Program Hours .....</b>		40

**CHILD DEVELOPMENT A.S.SOCIATE CREDENTIAL (CDA)**

The CDA program prepares students who work with children from birth through age five for the National CDA Credential. Upon successful completion of 120 hours of formal instruction in the six competency goals, a two-hour observation and meeting all the PBCC requirements, a CDA Florida Equivalency Certificate is awarded.

**Required Courses**

Course #	Title	Clock Hours
HEV 0150	Child Development Associate Module I	40
HEV 0151	Child Development Associate Module II	40
HEV 0152	Child Development Associate Module III	40
HEV 0160	CDA Observation	2
<b>Total Program Hours .....</b>		122

**Commercial Art (PSAV 5017)**

This program is designed to prepare the student for employment as an artist, illustrator or commercial designer. The course content includes basic art skills; lettering skills; preparation of layouts and illustrations; preparation of camera-ready paste-up; and development of specialized skills. It also includes training in communication, leadership, human relations and employability skills; and safe and efficient work practices. Laboratory activities are an integral part of this program. These activities provide instruction in the use of tools, equipment, materials and processes found in the industry.

**Required Courses**

Course #	Title	Clock Hours
----------	-------	-------------

**Group A**

GRA 0010	Basic Computer Operations for Commercial Art	70
GRA 0081	Technical Writing for Commercial Art	50
GRA 0071	CorelDraw	125
GRA 0082	Copy Editing	125
GRA 0085	Internet Basics for Commercial Art	30
GRA 0083	Business Mathematics for Commercial Art	50

**Group B**

GRA 0087	Basic Macintosh Troubleshooting Skills for Commercial Art	70
GRA 0089	Color Theory for Commercial Art	30
GRA 0075	Photoshop for Commercial Art	70
GRA 0465	Digital Illustration	70
GRA 0073	QuarkXPress for Commercial Art	70
GRA 0011	Preflight	70
GRA 0086	Advanced Internet Skills for Commercial Art	70

**Group C**

GRA 0070	History of Graphic Design	30
GRA 0461	Illustration	70
GRA 0052	Silkscreening	60
GRA 0053	Vinyl Signmaking	60
GRA 0088	Web Design for Commercial Art	50
GRA 0064	Marketing for the Freelance Artist	30

**Group D**

GRA 0040	Print History and Formats	20
GRA 0412	Photography for Commercial Art	93
GRA 0043	Graphic Reproduction	92
GRA 0061	Project Management	20
GRA 0062	Art Marketing	60
GRA 0063	Professional Development for Commercial Art	15

**Total Program Hours .....** 1,500

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 9.

**Post Secondary Adult Vocational Certificates (PSAC)****Commercial Foods and Culinary Arts (PSAV 5088)**

This program is designed to prepare the student for employment as a restaurant cook. The course content includes food preparations and serving; identification, storage, selection and presentation of a wide variety of foods; training in communication, leadership, human relations and employability skills; and safe and efficient work practices.

**Required Courses**

Course #	Title
----------	-------

**Group A**

HMV 0010	Careers in Food Service
HMV 0143	Customer Service

Clock Hours
40
60

**Group B**

HMV 0110	Safety and Sanitation
----------	-----------------------

Clock Hours
75

**Group C**

HMV 0105	Produce Preparation
HMV 0109	Quantity Food Techniques

Clock Hours
50
50

**Group D**

HMV 0112	Kitchen Tools and Equipment
----------	-----------------------------

Clock Hours
-------------

**Group E**

HMV 0107	Breakfast and Starch Preparation
----------	----------------------------------

Clock Hours
-------------

**Group F**

HMV 0101	Stock, Soup & Sauce Preparation
HMV 0100	Meat, Poultry & Fish Preparation
HMV 0140	Business Skills

Clock Hours
-------------

**Group E**

HMV 0108	Bakeshop
----------	----------

Clock Hours
-------------

**Group F**

HMV 0109	Stock, Soup & Sauce Preparation
HMV 0100	Meat, Poultry & Fish Preparation
HMV 0140	Business Skills

Clock Hours


<tbl\_r cells="1" ix="2" max

## Criminal Justice Academies

### LIMITED ACCESS

The Criminal Justice Academy offering is a limited-access program. Two tracks are available: the Basic Correctional Officer Academy Track provides eligibility for certification as a Florida corrections officer and the Basic Law Enforcement Officer Academy provides eligibility for certification as a Florida law enforcement officer.

### SPECIAL ADMISSIONS REQUIREMENTS

All candidates entering the program must have proof of a standard high school diploma or U.S. GED and are required to complete the Assessment Center Testing through Palm Beach Community College or enter under the auspices of a Palm Beach County law enforcement agency. Additionally, they must complete a Palm Beach Community College application as well as achieve a 12.9 on the TABE (Test of Adult Basic Education), successfully pass a fitness agility and ability test, a medical examination, a complete drug screen, a criminal background investigation that includes a military, credit, employment and education check. All candidates will be required to successfully pass a psychological exam and polygraph exam.

Successful candidates will be accepted into the academy program. Information concerning testing or academy beginning dates may be obtained by calling (561) 439-8145.

### CORRECTIONS/LAW ENFORCEMENT TRACK (PSAV 5601)

The Criminal Justice Institute (CJI) is a limited-access program governed by Palm Beach Community College and its Board of Trustees, Region XII Criminal Justice Training Council and the Florida Criminal Justice Standards and Training Commission.

### MEETING WITH RULES AND REGULATIONS

Students registering in the Police, Corrections or Crossover Academy are advised that they must meet and abide by the rules and regulations of the Criminal Justice Institute, Palm Beach Community College. These rules are provided in the Academy Rules and Regulations. Further, students are also subject to the rules and regulations of the Criminal Justice Standards and Training (CJST), Florida Department of Law Enforcement.

### MODULAR EXAMINATION FAILURE

Failure of any modular examination in academy training will entitle the student recruit to one re-test (not the same test) which must be taken before the academy ends. Failure of the re-test will result in the student repeating the module. Failure of any three-module exams will result in the student being dismissed from the program.

### STATEWIDE EXAMINATION AND FAILURE

At the completion of academy training, the applicant must file with CJST to take the statewide certification examination. There is a \$50 fee for filing. The test will be developed and administered by CJST. Re-testing must be completed within three months and a total of three re-tests will be permitted. Failure of the third re-test will necessitate repeating the complete academy training program.

### ACADEMIC DISHONESTY

The definition of academic dishonesty is set forth in the Recruit Handbook. The CJI policy for a student found guilty of academic

dishonesty in any academy or statewide examination will be immediate dismissal from the course(s) and program. The Region XII policy is that there will be no appeal from such dismissal via the College administration.

### CORRECTIONS/LAW ENFORCEMENT

The program provides for eligibility for certification as a corrections officer in the state of Florida when all academy courses have been successfully completed. Certification requires passing of state of Florida licensing examination and hiring by an agency. Applicants must comply with all requirements of Florida Statute 943.13 prior to academy enrollment. Portions of this program apply to the Criminal Justice associate in science degree.

Course #	Title	Credit Hours/ Voc Credits	Clock Hours
MKO 0102	Human Relations I		15
MKO 0103	Communications I		18
MKO 0104	Conflict Resolution I		18
MKO 0106	Math Fundamentals		15
OTA 0101	Keyboarding/Word Processing I		45
This program is under development. The total number of clock hours will be 320.			
<b>Total Program Hours</b>			<b>320</b>
<b>Program Total</b>		<b>16/6</b>	

### BASIC LAW ENFORCEMENT OFFICER ACADEMY TRACK (PSAV 5600)

This curriculum provides for eligibility for certification as a law enforcement officer in the state of Florida, when all academy courses have been successfully completed. Certification requires passing of state of Florida licensing examination and hiring by an agency. Applicants must comply with all requirements of Florida Statute 943.13 prior to academy enrollment. Portions of this program apply to the Criminal Justice A.S. degree.

Course #	Title	Credit Hours/ Voc Credits
CJD 0256	Criminal Justice Medical First Responder	0/1
CJD 0704	Criminal Justice Defensive Tactics	0/2
CJD 0705	Criminal Justice Weapons	0/2
CJD 0723	Criminal Justice Vehicle Operations	0/1.5
CJD 0732	Law Enforcement Traffic	0/1.5
CJD 1700	Criminal Justice Legal I	3/0
CJD 1701	Criminal Justice Legal II	3/0
CJD 1702	Criminal Justice Communications—Law Enforcement	3/0
CJD 1713C	Interpersonal Skills I—Law Enforcement	3/0
CJD 1720	Law Enforcement Legal III	2/0
CJD 1721C	Law Enforcement Patrol	3/0
CJD 1724C	Law Enforcement Investigations	3/0
<b>Program Total</b>		<b>20/8</b>

## Customer Service Program (PSAV 5045)

This program is designed to prepare the student for employment in the customer service industry including those in banking, retail, legal, government, hotel reservations, telecommunications and the health care industry. The program covers course content in areas such as human relations, communications, conflict resolution, computer basics and employability skills.

For program updates, visit the Workforce Development Web site: <http://www.pbcc.cc.fl.us/workforce/index.htm>.

### Required Courses

Course #	Title	Clock Hours
MKO 0102	Human Relations I	15
MKO 0103	Communications I	18
MKO 0104	Conflict Resolution I	18
MKO 0106	Math Fundamentals	15
OTA 0101	Keyboarding/Word Processing I	45
This program is under development. The total number of clock hours will be 320.		
<b>Total Program Hours</b>		<b>320</b>

## Dental Assisting (PSAV 5155/TPA)

### LIMITED ACCESS

The Dental Assisting Program is a limited access, combined vocational credit/college credit program accredited by the American Dental Association Commission on Dental Accreditation and approved by the Florida State Board of Dentistry. Graduates will receive a Florida Expanded Functions Certificate. One class is accepted annually beginning in the fall term.

Palm Beach County School District Tech Prep students may qualify to receive credit after the completion of 15 semester hours of college work with a C average or better. Students must present evidence of Tech Prep coursework to the PBCC registrar upon entrance into a college program.

### SPECIAL ADMISSIONS REQUIREMENTS

The Dental Assisting Program is limited to the number of students it may admit to each class and the following criteria are established as the minimum to be eligible for placement in the selection pool. Meeting minimum criteria for selection does not guarantee admission to the Dental Assisting Program. Final selection will be based on the applicant pool and space available. Preference for selection will be given to students who have completed any or all of the electives HSC 1000 (Introduction to Health Care), HSC 1400 (Standard First Aid), HSC 2100 (Health Concepts and Strategies), HSC 2531 (Medical Terminology), SLS 1501 (Strategies for College Success) and/or CGS 1570 (Microcomputer Applications). See the PBCC Dental Assisting Application Form or call the Dental Health services coordinator at (561)439-8313 for further details on selection.

If a student is selected and does not enter the program or is not selected, he/she must reapply and is not guaranteed acceptance in any subsequent selection process.

### 1. Special Application and Deadline(s)

The applicant must submit a completed Dental Assisting Application package (including transcripts) to the Limited Access Program Office at the Lake Worth location by July 1 of each year in order to be eligible for consideration for selection into the program. The Dental Assisting Program Application fee is non-refundable. Applicants who have never been students at PBCC will also have to submit a one-time general college application and fee. Currently enrolled or former PBCC students in credit/vocational credit courses do not have to submit a general college application and fee.

### 2. High School Graduation

All applicants must hold either a standard high school diploma or a U.S. GED certificate. Proof of this must be submitted directly to the Registrar's Office at the Lake Worth location from the issuing agency.

### 3. College Transcripts

All applicants who have attended other colleges/universities must have official transcripts submitted directly to the Registrar's Office at the Lake Worth location. A minimum 2.0 cumulative college GPA is required to be eligible for selection.

### 4. Placement Test Scores

All applicants must take the Level A Test of Adult Basic Education (TABE) within two years prior to the application deadline date and score at least at the 12th grade competency level in all parts of the examination in order to be eligible for consideration for selection. Those who do not are encouraged to complete remediation and to retest prior to the beginning of the program.

Anyone successfully retesting may be reconsidered for selection after the application deadline on a space available basis. Call the Testing Center at the Lake Worth location at (561)439-8053.

### 5. Program Counseling

All students are strongly urged to speak with the Dental Health Services Coordinator as early as possible prior to application. Call (561)439-8313 for an appointment or e-mail [kuzmireb@pbcc.cc.fl.us](mailto:kuzmireb@pbcc.cc.fl.us).

### 6. Student Selection

One TABE test point will be added to the applicant's overall score for each credit of coursework successfully completed from the list of elective courses described under Special Admissions Requirements above.

### 7. Special Notes

- A. Once officially accepted into the Dental Assisting Program, a dental examination and a medical examination on a PBCC Allied Health Medical Examination Form dated within one year prior to the start of the program must be submitted by the applicant.
- B. All accepted applicants for the Dental Assisting Program are strongly encouraged to be currently immunized against communicable diseases, including Hepatitis B. Documentation of completion of or refusal to obtain Hepatitis B immunization must be provided upon entrance into the program.

## Post Secondary Adult Vocational Certificates (PSAV)

C. Certification in Cardiopulmonary Resuscitation, given by the American Heart Association (Basic Life Support) must be current by the beginning of the program.

D. The student will be automatically enrolled in the student accident/health insurance coverage program provided by PBCC.

E. All program courses with the prefix DEA plus DES 1800, DES 1800L, DES 1200 and DES 1200L must be passed in sequence with a grade of Pass, or C or higher to continue in the program. Other courses may be passed at the level of D to continue, but students who receive one grade of D and who at a later time wish to apply to the PBCC Dental Hygiene Program would not be granted admission to that program until that course has been repeated and a grade of C or higher earned. See 7.F. below for additional information regarding grades and Dental Hygiene Program admission policies.

F. Any student who has withdrawn from or failed one Dental Assisting (DEA) or Dental Hygiene (DEH or DES) course and wishes to re-enter the program must re-apply for a place in the following year's class. If advanced standing in the class is requested, it will be granted on a space available basis only. That student will also be required to: (1) repeat any failed or withdrawn course and (2) repeat for audit his/her last successfully completed clinical course. Two separate failures of any Dental Assisting and/or Dental Hygiene course(s) will render the student ineligible for re-admission to a Dental Assisting class. In addition, two separate grades of D or F in any DEA, DEH or DES course(s) will render the student ineligible for selection for admission to any subsequent Dental Hygiene class.

## Required Courses

Course#	Title	Cred/Voc. Credits
<b>Term One (Fall Term, First Eight Weeks)</b>		
DES 1020	Dental Anatomy *	3/0
DES 1200	Dental Radiology *	2/0
DES 1200L	Dental Radiology Lab *	1/0
DES 1600	Office Emergencies *	1/0
DES 1800	Introduction to Clinical Procedures *	3/0
DES 1800L	Introduction to Clinical Procedures Lab * 1/0	
<b>Total</b>		<b>11/0</b>
<b>Term Two (Fall Term, Second Eight Weeks)</b>		
DEA 0130	Related Dental Theory	0/1
DEA 0800	Clinical Practice I	0/1
DEA 0800L	Clinical Practice I Lab	0/2
DEA 0940L	Dental Practicum Lab	0/1
DES 1100	Dental Materials *	2/0
DES 1100L	Dental Materials Lab *	1/0
<b>Total</b>		<b>3/5</b>
<b>Term Three (Spring)</b>		
DEA 0153	Dental Psychology and Communication	0/1
DEA 0801	Clinical Practice II	0/1
DEA 0801L	Clinical Practice II Lab	0/6
DES 0830C	Expanded Functions I	0/3
DES 1840	Preventive Dentistry *	2/0
DES 2502	Office Management *	1/0
<b>Total</b>		<b>3/11</b>
<b>Term Four (Summer)</b>		
DEA 0850	Clinical Practice III	0/1
DEA 0850L	Clinical Practice III Lab	0/2
DES 0831C	Expanded Functions II	0/2
<b>Total</b>		<b>0/5</b>
<b>Total Program Hours</b>		<b>18/21</b>

\*This course articulates with the PBCC Dental Hygiene Program.

## Post Secondary Adult Vocational Certificates (PSAV)

**Electrical Drafting (PSAV 5211)**

This program is designed to prepare the student for employment as an electrical drafter. Electrical drafters prepare wiring and layout diagrams used by workers who erect, install and repair electrical equipment and wiring in communication centers, powerplants, electrical distribution systems and buildings. Electrical drafters draw wiring diagrams, circuit board assembly diagrams, schematics and layout drawings used in the manufacture, installation and repair of electronic devices and components. The course content includes instruction in electrical codes and specification, electrical drawings, and an understanding of basic civil drawings and technical mathematics.

**Required Courses**

Course #	Title	Clock Hours
<b>Group A</b>		
ETD 0071	Blueprint Reading	150
<b>Group B</b>		
ETD 0073	Drafting I	450
<b>Group C</b>		
ETD 0622	Electronic Drafting	600
<b>Total Program Hours</b>		<b>1,200</b>

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 10.

**Electrical Trades (PSAV 5465)**

This program is designed to prepare the student for employment or advanced training as electrical helpers, residential electricians and commercial electricians.

This program focuses on broad, transferable skills, stresses the understanding of all aspects of the electricity industry, and demonstrates such elements of the industry as planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues, and health, safety and environmental issues.

Classroom, shop and laboratory activities are an integral part of this program. These activities include instruction in the use of the safety procedures, tools, equipment, materials and processes found in the industry.

This curriculum is under development. For more information, visit the Workforce Development Web site:  
<http://www.pbcc.cc.fl.us/workforce/index.htm>.

**Total Program Hours** ..... 1200

**Completion Requirements**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program which are Reading: 9; English: 9; Mathematics: 9.

**Electronic Drafting (PSAV 5212)**

This program is designed to prepare the student for employment as an electronic drafter. Electronic drafters draw wiring diagrams, circuit board assembly diagrams, schematics and layout drawings used in the manufacture, installation and repair of electronic devices and components. The course content includes instruction in electronic codes and specifications; electronic drawings; an understanding of basic civil drawings and technical mathematics.

**Required Courses**

Course #	Title	Clock Hours
<b>Group A</b>		
ETD 0071	Blueprint Reading	150
<b>Group B</b>		
ETD 0073	Drafting I	450
<b>Group C</b>		
ETD 0622	Electronic Drafting	600
<b>Total Program Hours</b>		<b>1,200</b>

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 10.

**Electronic Technology (PSAV 5167)**

This program is designed to prepare the student for employment as an electrical or electronic technician. The course content includes direct current circuits (DC), alternating currents (AC) and analog circuits; solid state and digital devices; microprocessors; use of circuit diagrams and schematics; soldering and chassis assembly techniques; laboratory practices; and technical recording and reporting.

**Required Courses**

Course #	Title	Clock Hours
<b>Group A</b>		
EEV 0810	Introduction to DC Circuits	100
EEV 0821	Soldering and Lab Practices	70
EEV 0851	Introduction to Engineering Math & Science	40
SLS 0380	Introduction to Business	40
<b>Group B</b>		
EEV 0811	Advanced DC Circuits	120
EEV 0812	AC Circuits	100
EEV 0813	Electronic Devices	90
EEV 0852	Math & Science	60
EEV 0853	Advanced Math & Science	40
<b>Group C</b>		
EEV 0793	Communication & Documentation	60
EEV 0815	Logic Circuits	140
EEV 0816	Microprocessor Fundamentals	180
EEV 0840	Computer Language	60
EEV 0850	Digital Mathematics	30
<b>Group D</b>		
EEV 0814C	Analog Circuits	200
EEV 0855	Math & Science Verification	70
<b>Total Program Hours</b>		<b>1,400</b>

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 10.

**Emergency Medical Technician (EMT-B) (PSAV 5440)****LIMITED ACCESS**

This program is designed to prepare the student for the Florida State Board Examination for Emergency Medical Technician-Basic. Classroom study and clinical work equip the student with the skills in patient assessment, cardiopulmonary resuscitation (CPR), oxygen therapy, shock prevention, bandaging, splinting, spinal immobilization and vehicle extrication that are necessary for a career in out-of-hospital emergency medicine. The standard length of this program is 250 clock hours.

**SPECIAL ADMISSIONS REQUIREMENTS**

Special admission requirements are associated with this program.

Course #	Title	Clock Hours
EMS 0159	Emergency Medical Technician	250
<b>Total Program Hours</b>		<b>.250</b>

**Facial Specialist (PSAV 5355)**

The purpose of this program is to prepare students for employment as registered facial specialists. Instruction is designed to prepare students to obtain a registration from the State Board of Cosmetology.

**Required Courses**

This curriculum is under development. For more information, visit the Workforce Development Web site: <http://www.pbcc.cc.fl.us/workforce/index.htm>.

**Total Program Hours** ..... 260

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 8; Mathematics: 8.

## Film Production Equipment Operations (PSAV 5466)

This program is designed to prepare the student for initial employment in film production equipment operation occupations as camera assistants, sound equipment operations, editing equipment operators, set builders, grips and lighting equipment operators.

The content includes, but is not limited to, instruction that prepares individuals to function as members of technical team within the framework of an organized film production. Instruction includes: purchasing/renting, scheduling and the application of technical skills to solving unique shooting problems. Also included are skills relating to professionalism, employability, communication and supervision.

Production activities are an integral part of this program and provide practical application and instruction in the operation of equipment in areas of filming, lighting, sound, set construction, gripping and editing. In addition students will be exposed to production management, special effects, script supervision, casting, make-up, wardrobe and assistant directing.

This curriculum is under development. For more information, visit the Workforce Development Web site: <http://www.pbcc.cc.fl.us/workforce/index.htm>.

**Total Program Hours** ..... 1600

### COMPLETION REQUIREMENTS

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 9.

## Firefighter (PSAV 5043)

### LIMITED ACCESS

The Firefighter program is a two-part course.

**Part I (Firefighter I)** covers several subjects including Orientation, Safety, Fire Behavior, Building Construction, Protective Clothing, SCBA, Portable Extinguishers, Ropes and Knots, Building Search and Victim Removal, Forcible Entry Tools, Construction and Techniques, Ground Ladders, Ventilation, Water Supply, Coupling, Loading and Rolling Hose, Laying, Carrying and Advancing Hose, Water Fire Streams, Class A, C, D, Vehicle and Wildland Fire Control, Sprinkler System Fundamentals, Salvage, Overhaul and Protecting Evidence of Fire Cause, Fire Department Communications, Equipment and Techniques, Fire Prevention and Public Fire Education. The course also includes First Responder Medical and Awareness-Level Hazardous Materials Training. Upon completion of the course and a written state certification examination the student will receive a Certificate of Competency from the Bureau of Fire Standards and Training as a Firefighter I.

**Part II (Firefighter II)** prepares the student to meet the requirements to become a state certified firefighter. Considerable classroom time is devoted to various subjects including Implementing the Incident Management System, Construction Materials and Building Collapse, Rescue and Extrication Tools, Vehicle Extrication and Special Rescue, Hydrant Flow and Operability, Hose Tools and Appliances, Foam Fire Systems, Ignitable Liquid and Gas Fire Control, Fire Detection, Alarm and Suppression Systems, Fire Cause and Origin, Radio Communications and Incident Reports, Pre-Incident Survey. Those students who successfully complete the program may participate in the state exam for certification as a Firefighter II. This exam encompasses both written and practical skills tests. Certification is required in the state of Florida for firefighters. The standard program length for Firefighter I is 160 clock hours, The Firefighter II Program requires an additional 290 clock hours for a total of 450 clock hours.

### COMPLETION REQUIREMENTS

Special admission requirements are associated with this program

Course #	Title	Clock Hours
FFP 0005	Firefighter	450

## Gasoline Engine Service Technology (PSAV 5467)

This program is designed to prepare the student for initial employment or advanced training in the gasoline engine service technology industry and for a career as a small gas engine mechanic.

This program is a planned sequence of courses consisting of five areas of instruction as follows: (1) assembler (Setup); (2) clerk, parts; (3) installer and repairer; (4) helper, mechanic and repairer; (5) small gas engine mechanic.

Shop or laboratory activities are an integral part of this program. These activities provide instruction in the use of tools, equipment, materials and processes found in the industry.

This curriculum is under development. For more information, visit the Workforce Development Web site: <http://www.pbcc.cc.fl.us/workforce/index.htm>.

**Total Program Hours** ..... 1200

### COMPLETION REQUIREMENTS

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 8; English: 8; Mathematics: 8.

## Heavy Duty Truck and Bus Mechanic (PSAV 5468)

This program is designed to prepare the student for employment in a variety of occupations in the diesel engine industry. Training is provided to develop competencies in shop organization, management, and safety procedures; using tools and equipment; applying math and science to diesel technology operations and employability skills.

This curriculum is under development. For more information, visit the Workforce Development Web site: <http://www.pbcc.cc.fl.us/workforce/index.htm>.

**Total Program Hours** ..... 680

### Completion Requirements

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 9.

## Insurance General Lines Agent (PSAV 5469)

This program will prepare students for an entry-level general lines insurance position. Entry-level insurance agents understand automobile insurance, fire and allied lines, general liability, homeowners insurance, crime and surety, workers compensation, inland and ocean marine and aviation. Program content includes development of communication, critical thinking, human relations and employability skills. Upon successful completion of this program, students may take the Florida Department of Insurance exam for licensure in Property & Casualty/General Lines.

This program is under development. For more information, visit the Workforce Development Web site: <http://www.pbcc.cc.fl.us/workforce/index.htm>.

**Total Program Hours** ..... 200

### COMPLETION REQUIREMENTS

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 9.

## Life Insurance Marketing (PSAV 5470)

This program will prepare students for an entry-level insurance position. Students can take a 40-hour classroom lecture or participate in 36 hours online with the final 4 hours in the classroom. Entry-level insurance agents understand insurance terminology and concepts, federal and state regulations and legal contracts. Program content includes development of communication, critical thinking, human relations and employability skills. Upon successful completion of this program, students may take the Florida Department of Insurance examination for licensure in Life, Health & Variable Annuities.

This program is under development. For more information, visit the Workforce Development Web site: <http://www.pbcc.cc.fl.us/workforce/index.htm>.

**Total Program Hours** ..... 40

## Manicurist (PSAV 5356)

The purpose of this program is to prepare students for employment as registered nail specialists. Instruction is designed to prepare students to obtain a registration from the State Board of Cosmetology.

### Required Courses

This curriculum is under development. For more information, visit the Workforce Development Web site: <http://www.pbcc.cc.fl.us/workforce/index.htm>.

**Total Program Hours** ..... 240

### COMPLETION REQUIREMENTS

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 8; Mathematics: 8.

**Marine Service Technology (PSAV 5471)**

This program is designed to prepare the student for initial employment with occupational titles as operating engineers. Students may elect to train on individual machines of their choice as a certification option.

The content includes, but is not limited to, communication skills, leadership skills, human relations and employability skills, safe and efficient work practices and skills to operate and maintain a variety of heavy equipment such as crawler tractors, motor graders, scrapers and shovels or cranes.

Shop or laboratory activities are an integral part of this program and provide instruction in digging, ditching, sloping, stripping, grading, backfilling, clearing, excavating and equipment maintenance.

This curriculum is under development. For more information, visit the Workforce Development Web site:  
<http://www.pbcc.cc.fl.us/workforce/index.htm>.

**Total Program Hours . . . . . 1200**

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 9.

**Massage Therapy (PSAV 5232)**

This program prepares the student for employment as a licensed massage therapist. Courses will include lecture and laboratory/clinical experience. After completion of the program, the student will be eligible to take the Florida Board of Massage Therapy licensure examination.

**SPECIAL ADMISSIONS REQUIREMENTS**

Applicants to this program must provide proof of a standard high school diploma or U.S. GED.

**Required Courses**

Course #	Title	Clock Hours
<b>Group A</b>		
HSC 0003	Health Care Concepts	
MSS 0252	Massage Therapy I	
MSS 0262	Massage Therapy II	
<b>Total Program Hours . . . . .</b>	<b>550</b>	

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 10; English: 10; Mathematics: 9.

**Mechanical Drafting (PSAV 5210)**

This program is designed to prepare the student for employment as a mechanical drafter. Mechanical drafters prepare detail and assembly drawings of a wide variety of machinery and mechanical devices, indicating dimensions, fastening methods and other requirements. The course content includes instruction in safe and efficient work practices, reprographic machine operation, use of drafting tools and equipment, drafting skills, charts and graphs, computer-aided drawings and technical mathematics.

**Required Courses**

Course #	Title	Clock Hours
<b>Group A</b>		
ETD 0071	Blueprint Reading	150
<b>Group B</b>		
ETD 0073	Drafting I	450
<b>Group C</b>		
ETD 0700	Mechanical Drafting I	200
<b>Group D</b>		
ETD 0702	Mechanical Drafting II	600
<b>Group E</b>		
ETD 0701	Mechanical CAD Drafting	500
<b>Total Program Hours . . . . .</b>	<b>1,900</b>	

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 10.

**Medical Assisting (PSAV 5236)****LIMITED ACCESS**

This program is designed to prepare students as multi-skilled members of a physician's health care team. Students learn the necessary skills to work in both the administrative and clinical settings of a physician's office or an outpatient clinic. The program follows the Standards and Guidelines of an accredited program for Medical Assisting adopted by the American Association of Medical Assistants and the Commission on Accreditation of Allied Health Education Programs (CAAHEP). This program is accredited by CAAHEP.

**SPECIAL ADMISSIONS REQUIREMENTS**

Applicants to this program must provide proof of a standard high school diploma, U.S. GED, or foreign equivalent.

**Required Courses**

Course #	Title	Clock Hours
HCP 0001	Health Science *	78
PRN 0022	Body Structure and Function *	69
MEA 0002	Introduction to Medical Assistant and Human Relations	15
MEA 0200L	Clinical Practices - Lab	75
MEA 0230	Medical Terminology by Body Systems	95
MEA 0240	Mathematics for Clinical Calculations	25
MEA 0242	Pharmacology for the Medical Assistant	50
MEA 0253	Diseases, Disorders and Treatment for Medical Assisting	272

**Post Secondary Adult Vocational Certificates (PSAV)**

MEA 0254	Basic Medical Laboratory Techniques for the Medical Assistant	25
MEA 0258	Radiology for the Medical Assistant	25
MEA 0310	Introduction to Medical Office Procedures	75
MEA 0322	Medical Office Procedures II	75
MEA 0334	Medical Insurance and Coding	75
MEA 0520	Phlebotomy for the Medical Assistant	75
MEA 0540	Electrocardiography for the Medical Assistant	75
MEA 0801	Externship in Medical Assisting	175
	<b>Total Program Hours . . . . .</b>	<b>1,279</b>

\* Denotes prerequisites for program.

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 10; English: 10; Mathematics: 10

**Medical Secretary (PSAV 5084)**

This program is designed to prepare the student for employment as a medical secretary. Program content includes the development of communication, critical thinking and decision-making skills; medical terminology; medical office procedures; medical document transcription; use of business software applications; job opportunity research and the production of an employment portfolio.

**Required Courses**

Course #	Title	Clock Hours
----------	-------	-------------

<b>Group A</b>		
OST 0105	Information/Processing	30
OST 0465	Office Operations I	75
OTA 0101	Keyboarding/Word Processing I	45
<b>Group B</b>		
CGS 0000	Microcomputer Fundamentals	45
OST 0104	Keyboarding/Word Processing II	30
OST 0466	Office Operations II	75
<b>Group C</b>		
OCA 0504	Business Applications I	150
OTA 0431	Office Procedures I- Simulation	150
<b>Group D</b>		
HIM 0284	Medical Coding	60
HIM 0270	Insurance Billing & Claims	45
HIM 0450	Basic Anatomy & Physiology	45
HIM 0650	Medical Office Technology	45
HIM 0811	Professional Development	30
HSC 0003	Health Care Concepts	78
HSC 0530	Introduction to Medical Terminology and Disease Processes	75
MEA 0270	Medical Office Procedures I	30
MEA 0271	Medical Office Procedures II	30
	<b>Total Program Hours . . . . .</b>	<b>1,038</b>

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 10; English: 10; Mathematics: 10.

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 11; English: 11; Mathematics: 9.

**Medical Transcription (PSAV 5085)**

This program is designed to prepare the student for employment as a medical record transcriber. Medical record transcribers electronically transcribe physician dictation for a patient's medical history. The program content includes medical terminology, medical office technology, health care delivery systems, health information services, transcription skills and employability issues.

**Required Courses**

Course #	Title	Clock Hours
HIM 0030	Fundamentals of Medical Transcription	90
HIM 0031	Medical Transcription I	240
HIM 0032	Medical Transcription II	240
HIM 0217	Health Information Management	60
HIM 0270	Insurance Billing & Claims	45
HIM 0284	Medical Coding	60
HIM 0450	Basic Anatomy & Physiology	45
HIM 0650	Medical Office Technology	45
HIM 0811	Professional Development	30
HSC 0003	Health Care Concepts	78
HSC 0530	Introduction to Medical Terminology & Disease Processes	75
MTB 0372	Math for Health Professionals	45
OST 0080	Keyboarding	45
OST 0111	Word Processing for Health Professionals	45
OTA 0311	Applied English Usage	45
<b>Total Program Hours</b>		<b>1,188</b>

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 11; English: 11; Mathematics: 9.

**Patient Care Technician (PSAV 5233)**

The Patient Care Technician program offers a broad foundation of knowledge and skills, expanding the traditional role of the nursing assistant. The program is designed to have multiple career options with a base on which more complex skills can be added. Students who complete the program will receive certificates in nursing assisting, home health aide and patient care assisting and will be eligible to take the Florida Certification Exam for Nursing Assistants.

**Required Courses**

Course #	Title	Clock Hours
<b>Group A</b>		
HSC 0003	Health Care Concepts	78
HCP 0120	Nursing Assistant	75
<b>Group B</b>		
HCP 0330	Home Health Aide	50
<b>Group C</b>		
HCP 0620	Patient Care Assistant	75
<b>Total Program Hours</b>		<b>.278</b>

**PC Support Services (PSAV 5520)**

This program is designed to prepare the student for employment as a software support help desk personnel or PC support specialist. Program content includes software applications and operating systems including the use of advanced software/system features and programs; electronic communication via the Internet; Web page components; computer networking and network administration; the interrelationships among major components of networks; hardware and software selection and installation; integration techniques to enhance projects; and preventative hardware maintenance.

**Required Courses**

Course #	Title	Clock Hours
<b>Group A</b>		
OST 0105	Information Processing	30
OST 0465	Office Operations I	75
OTA 0101	Keyboarding/Word Processing I	45
<b>Group B</b>		
CGS 0090	Microcomputer Fundamentals	45
OST 0104	Keyboarding/Word Processing II	30
OST 0466	Office Operations II	75
<b>Group C</b>		
CGS 0100	Software Applications I	200
CGS 0260	Hardware/Network Concepts I	100
<b>Group D</b>		
CGS 0101	Software Applications II	200
CGS 0263	Hardware/Network Concepts II	100
<b>Total Program Hours</b>		<b>.900</b>

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 9.

**Practical Nursing (PSAV 5234)****LIMITED ACCESS**

This program is designed to prepare students for employment as licensed practical nurses. The program is approved by the Florida State Board of Nursing so the graduate may take the examination to practice as a licensed practical nurse. Clinical experiences are included as an integral part of this program.

**SPECIAL ADMISSIONS REQUIREMENTS**

Applicants to this program must provide proof of a standard high school diploma, U.S. GED or foreign equivalent. Other special admission requirements are associated with this program.

**Required Courses**

Course #	Title	Clock Hours
<b>Group A</b>		
HCP 0001	Health Science *	78
HCP 0120	Nursing Assistant	75
<b>Group B</b>		
PRN 0000	Fundamentals of Nursing	100
PRN 0381	Introduction to Medical/Surgical Nursing	182
PRN 0010	Comprehensive Nursing and Transitional Skills	106
PRN 0021	Growth/Development and Nutrition	96
PRN 0022	Body Structure and Function *	69
PRN 0030	Introduction to Drug Therapy	85
PRN 0100	Maternal and Newborn Health	116
PRN 0382	Medical/Surgical Nursing Including Pediatrics	443
<b>Total Program Hours</b>		<b>1,350</b>

\* Denotes prerequisites for program.

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 11; English: 11; Mathematics: 11.

**Public Safety Telecommunicator (Dispatcher) (PSAV 5455)**

The purpose of this program is to prepare students for employment as police, fire and ambulance dispatchers. Content includes, but is not limited to, standard telecommunication operating procedures, relationship to field personnel, understanding of command levels and overview of emergency agencies.

**Required Courses**

Course #	Title	Clock Hours
CJD 0520	Public Safety Telecommunicator	208
<b>Total Program Hours</b>		<b>.208</b>

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 10; English: 10; Mathematics: 10.

**Structural Drafting (PSAV 5209)**

This program is designed to prepare the student for employment as a structural drafter. Structural drafters prepare drawings and topographical and relief maps used in major construction or civil engineering projects such as highways, bridges, pipelines, flood control projects and water and sewage systems. The course content includes instruction in blueprint reader, drafting assistant, cartographic drafter, civil drafter and structural drafter.

**Required Courses**

Course #	Title	Clock Hours
<b>Group A</b>		
ETD 0071	Blueprint Reading	150
<b>Group B</b>		
ETD 0073	Drafting I	450
<b>Group C</b>		
ETD 0138	Cartographic Drafting	300
<b>Group D</b>		
ETD 0540	Civil Drafting	600
<b>Group E</b>		
ETD 0542	Structural Drafting	300
<b>Total Program Hours</b>		<b>1,800</b>

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 10.

**Surgical Technology (PSAV 5235)****LIMITED ACCESS**

This program is designed to prepare students for employment as surgical technologists. In a simulated surgical environment, students practice preparing, setting up and maintaining a sterile field; preparation of supplies and equipment for surgery; and patient preparation. Clinical learning experiences in an operating room and related areas are an integral part of this program.

**SPECIAL ADMISSIONS REQUIREMENTS**

Applicants to this program must provide proof of a standard high school diploma, U.S. GED or foreign equivalent. Other special admissions requirements are associated with this program.

**Required Courses**

Course #	Title	Clock Hours
HCP 0001	Health Science *	78
PRN 0022	Body Structure and Function *	69
STS 0003	Introduction to Surgical Technology	160
STS 0120	Surgical Specialties I	48
STS 0121	Surgical Specialties II	48
STS 0122	Surgical Specialties III	51
STS 0155	Surgical Techniques and Procedures	294
STS 0255L	Surgical Specialties I Clinical	184
STS 0256L	Surgical Specialties II Clinical	184
STS 0257L	Surgical Specialties III Clinical	184
<b>Total Program Hours .....</b>		<b>1,300</b>

\* Denotes prerequisites for program.

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 9.

**Telecommunications Cable Technician (PSAV 5134)**

This program provides hands-on training designed to prepare the student for employment in the telecommunications and CATV construction industry. The course content includes installation, maintenance and servicing of cable, telephone and data communication line systems on poles, in trenches and in conduit. Included are diagnosis and correction of operational problems in telecommunications arising from mechanical, electrical or electronics hardware malfunctions. Employability skills and safe, efficient work practices are also taught.

**Required Courses**

Course #	Title	Clock Hours
EEV 0587	Telecommunications Cable Technician	450
<b>Total Program Hours .....</b>		<b>.450</b>

**COMPLETION REQUIREMENTS**

TABE (Test of Adult Basic Education): In order to be awarded a vocational certificate, students must achieve the minimum level of basic skills required for this program, which are Reading: 9; English: 9; Mathematics: 9.

**COURSE DESCRIPTIONS****Florida's Statewide Course Numbering System**

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System. This common numbering system is used by all public postsecondary institutions in Florida and by eighteen participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "course equivalency profiles."

**General Rule for Course Equivalencies**

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a survey course in social problems is offered by 31 different postsecondary institutions. Each institution uses "SYG\_010" to identify its social problems course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, "SYG" means "Sociology, General," the century digit "0" represents "Entry-level General Sociology," the decade digit "1" represents "Survey Course," and the unit digit "0" represents "Social Problems."

In science and other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, SYG 1010 is offered at a community college. The same course is offered at a state university as SYG 2010. A student who has successfully complete SYG 1010 at the community college is guaranteed to receive transfer credit for SYG 2010 at the state university if the student transfers. The student cannot be required to take SYG 2010 again since SYG 1010 is equivalent to SYG 2010. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to

determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed which have not been designated as equivalent.

**THE COURSE PREFIX**

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

**Authority for Acceptance of Equivalent Courses**

*State Board of Education Rule 6A-10.024(19), Florida Administrative Code, reads:* When a student transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the common course designation and numbering system, the receiving institution shall award credit for courses satisfactorily completed at the previous participating institutions when the courses are judged by the appropriate common course designation and numbering system faculty task forces to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The award of credit may be limited to courses that are entered in the course numbering system. Credits so awarded shall satisfy institutional requirements on the same basis as credits awarded to native students.

**Exceptions to the General Rule for Equivalency**

The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution

- A. Courses in the 900-999 series (e.g., ART 2905)
- B. Internships, practica, clinical experiences, and study abroad courses
- C. Performance or studio courses in Art, Dance, Theater, and Music
- D. Skills courses in Criminal Justice
- E. Graduate courses
- F. Courses not offered by the receiving institution

College preparatory and vocational preparatory course may not be used to meet degree requirements and are not transferable.

*Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to the PBCC Office of Instruction and Academic Programs, (561)367-4509 or the Florida Department of Education, K-16 Articulation, 401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling telephone number (850) 488-6402 or SunCom 278-6402.*

**EXAMPLE OF COURSE IDENTIFIER**

PREFIX	LEVEL CODE (first digit)	CENTURY DIGIT (second digit)	DECADE DIGIT (third digit)	UNIT DIGIT (fourth digit)	LAB CODE
SYG	1	0	1	0	
Sociology, General at this institution	Freshman Level General	Entry Level Sociology	Survey Course	Social Problems	No lab component in this course

**COURSE PREFIXES BY SUBJECT MATTER AREA**

The following is a list of course prefixes, arranged by subject matter areas. Because some prefixes may apply to more than one subject matter area, there may be duplications. For current course offerings,

Accounting	ACG, ACO, APA, TAX
Acting	TPP
Aeronautics/Aviation Science	ASC, ATF, ATT, AVM
Air Conditioning and Refrigeration	ACR
American History	AMH
American Literature	AML
Anatomy and Physiology	BSC
Anthropology	ANT
Architectural Design	ARC
Architectural Drafting	BCN, ETD, TAR
Art	ART
Art History	ARH
Astronomy	AST
Biological Sciences	BOT, BSC, MCB, OCE, PCB, ZOO
Bookkeeping	APA
Botany	BOT
Bricklayer	BCV
Building Construction	BCN, BCT, BCV, PMT
Business	BAN, GEB
Business Law	BUL
Carpentry	BCV
Chemistry	CHM
Child Care and Development	CHD, DEP
College Preparatory Courses	ENC, ESL, MAT, REA
Commercial Art	ART, GRA
Commercial Driving	CDO
Commercial Foods	HMV
Computers-Drafting	ETD
Computers-Engineering, PC Support, Programming and Technology	CEN, CET, CGS, CIS, COP
Computers-General Studies	CGS
Cosmetology	COS, CSP
Creative Writing	CRW
Criminal Justice	CCJ, CJD, CJT
Dance	DAA, DAN
Dental Assisting	DEA
Dental Hygiene	DEH, DES
Dietetics	DIE, FSS, HUN
Drafting and Design	EGS, ETD, ETG, ETI
Early Childhood Education	EEC
Ecology	APB
Economics	ECO, ECS
Education	EEC, EDF, EDG, EDP, EME
Electrical	CET, EST
Electronics Engineering and Technology	EET, EEV
Emergency Medical Services	EMS

consult the Palm Beach Community College Schedule of Classes, available through the registrar's office at your location.

Engineering Technology	EGS, ETD, ETI, ETM
English as a Second Language	ESL
English Language/Literature	AML, CRW, ENC, ENL, LIT
Facial Specialist	COS, CSP
Film, Television, and Video Production Technology	FIL, RTT, RTV
Finance	FIN
Fire Fighter and Fire Science	FFP
Fire Sprinkler	BCA
Food Science	FOS, FSS, HMV
Foreign Language/Field Studies	FOL
French Language	FRE
Geography	GEO
Geology	GLY
German Language	GER
Gerontology	GEY
Government	CPO, POS
Graphic Arts/Graphic Design	GRA
Health Education, Safety and Sciences	HSC
History	HIS
Hospitality	HFT
Human Services	HUS
Humanities	HUM
Interdisciplinary	IDH, IDS
Interior Design	IND
International Studies	INR
Iron Worker	PMT
Italian Language	ITA
Journalism	JOU
Legal Assistant	PLA
Library Science (Research)	LIS
Literature	AML, ENL, LIT
Management	MAN, MNA
Manufacturing, Robotic/Automated	ETI
Marketing	MAR, MKA
Mass Communications	MMC
Massage Therapy	MSS
Materials Engineering	ETM
Mathematics	MAC, MAP, MAT, MGF, MTB
Mechanical Drafting	ETD
Medical Coding and Transcription	HIM, MEA, MRE, MTS
Music-Applied	MVB, MVJ, MVK, MVP, MVS, MVV, MVW
Music-General	MUC, MUE, MUH, MUL, MUN, MUS, MUT
Nursing	NUR
Nutrition	DIE, HUN

**Introduction to Course Descriptions**

The course descriptions for the *Palm Beach Community College 2001-2002 Catalog* are listed in alphabetical order by course prefix. The course descriptions contain the full title of the course, initials of the degree/certificate to which the course may be applied and the number of credits/clock hours earned upon successful completion of the course. This information is followed by the necessary prerequisites and corequisites for the course, a brief course description and a notation on special fees and campus location restrictions.

When considering these courses, associate in applied science, associate in science or certificate program students should refer to the program descriptions in the Areas of Study section for suggested course completion order. Associate in arts students should remember that transferability of a course to a four-year institution may be based on completion of the associate degree. For more information on course transferability, contact a Palm Beach Community College academic advisor or an academic advisor at the targeted four-year school to receive information updates on degree requirements before enrolling in courses.

**ACG 2022 FINANCIAL ACCOUNTING (AA)**

4 credits (4 lecture hours)

Introduction to financial accounting concepts including the accounting cycle, internal control, balance sheet accounts, cash flow and characteristics of corporations. (This is the first course in an introductory series.)

**ACG 2071 MANAGERIAL ACCOUNTING (AA)**

3 credits (3 lecture hours)

Prerequisite: ACG 2022

Introduction to managerial accounting concepts including financial statement analysis, accounting's role in management decision-making, cost concepts and behavior, job order and process cost accounting, cost-volume-profit analysis responsibility accounting, differential analysis and capital investment analysis. (This is the second course in an introductory series.)

**ACG 2100 INTERMEDIATE ACCOUNTING (AS)**

3 credits (3 lecture hours)

Prerequisite: ACG 2071

Conceptual framework for financial accounting and reporting providing in-depth examination of the accounting process and the content of financial statements, including cash, short-term investments, receivables, inventories, current liabilities, plant and intangible assets and long-term investments. This course may not be transferable.

**ACG 2360 COST ACCOUNTING (AS)**

3 credits (3 lecture hours)

Prerequisite: ACG 2071

Examines common cost systems with emphasis on cost for materials, labor, overhead, standard costs and cost relationships. This course may not be transferable.

**ACG 2450 MICROCOMPUTER OPERATIONS ACCOUNTING (AS)**

3 credits (3 lecture hours)

Prerequisites: ACG 2071 and CGS 1510 or instructor permission required

This course provides an overview of microcomputer accounting applications. A general accounting computer program is used to complete the accounting cycle for different types of businesses. Spreadsheet analyses are included, as well as 10-key calculator segment.

**ACO 0101 BEGINNING BOOKKEEPING (PSAV)**

200 clock hours

This course offers an introduction to accounting. Emphasis will be on the complete accounting cycle covering analysis of transactions, journalizing, posting, petty cash, financial statements, and adjusting and closing entries.

**ACO 0511 AUTOMATED BOOKKEEPING (PSAV)**

150 clock hours

This course continues the study of accounting introducing some new concepts. It also provides instruction in Quickbooks, a popular accounting computer package. These skills are essential in today's competitive job market.

**ACO 0601 THE ACCOUNTING ENVIRONMENT I (PSAV)**

100 clock hours

This course continues the study of accounting and provides opportunities for practice of newly acquired accounting skills in an accounting office environment. Career skills for accountants, such as communication, teamwork and professional image, are emphasized.

**ACO 0605 THE ACCOUNTING ENVIRONMENT II (PSAV)**

100 clock hours

This course places the student in a simulated work environment. Students will examine the accounting environment through role-play and accounting practice sets. This course is final preparation for work in an accounting office environment.

**ACO 0611 ACCOUNTING COMMUNICATIONS (PSAV)**

50 clock hours

This course examines communication and employability skills required for successful employment in today's accounting environment. Students will develop practical tools to assist in their employment search.

**ACO 0948 ACCOUNTING INTERNSHIP (PSAV)**

100 clock hours

This internship places the student in a work environment in an area business. Weekly meetings with the instructor will provide guidance.

**ACO 2661 ACCOUNTING INFORMATION SYSTEMS (AS)**

3 credits (3 lecture hours)

Prerequisite: ACG 2071

Introduction to the design and operation of accounting information systems emphasizing information theory, computers and behavioral concepts related to internal control and system analysis.

**ACR 0930 R AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP CO-OP (FIRST YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. The respective cooperative teacher and employer provide on-the-job supervision. This on-the-job portion of the program may be repeated for credit. Specific job skills must be identified on a job skills plan. Selected job skills will be evaluated a minimum of once during each grading period.

**ACR 0931 ■ AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP CO-OP (FIRST YEAR-SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. The respective cooperative teacher

and employer provide on-the-job supervision. This on-the-job portion of the program may be repeated for credit. Specific job skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**ACR 0932 R AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP CO-OP (SECOND YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. The respective cooperative teacher and employer provide on-the-job supervision. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**ACR 0933 ■ AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP CO-OP (SECOND YEAR SUMMER)(PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. The respective cooperative teacher and employer provide on-the-job supervision. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**ACR 0934 R AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP CO-OP (THIRD YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. The respective cooperative teacher and employer provide on-the-job supervision. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**ACR 0935 R AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP CO-OP (THIRD YEAR-SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. The respective cooperative teacher and employer provide on-the-job supervision. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**ACR 0936 ■ AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP CO-OP (FOURTH YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. The respective cooperative teacher and employer provide on-the-job supervision. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**ACR 0937 R AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP CO-OP (FOURTH YEAR-SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. The respective cooperative teacher and employer provide on-the-job supervision. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**ACR 0938 ■ AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP CO-OP (FIFTH YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. The respective cooperative teacher and employer provide on-the-job supervision. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated ■ minimum of once during each grading period.

**ACR 0939 R AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP CO-OP (FIFTH YEAR-SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. The respective cooperative teacher and employer provide on-the-job supervision. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**ACR 0940 AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP I (PSAV)**

108 clock hours

Corequisite: ACR 0930 R

Course provides OSHA, job safety, trade related mathematics and science and different methods of joining pipe and tubing. Review plumbing and labor history. Emergency first aid and CPR, rigging and shop projects will be covered.

**ACR 0941 AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP II (PSAV)**

108 clock hours

Course continues first year. Related classroom and hands-on shop projects. Basic refrigeration.

**ACR 0942 AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP III (PSAV)**

108 clock hours

Course provides class related refrigeration, heating system, Environmental Protection Agency Section 608. C.F.C. Certification.

**ACR 0943 AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP IV (PSAV)**

108 clock hours

Course provides class related refrigeration, heating system, Environmental Protection Agency, Section 608 C.F.C. Certification Refrigeration controls.

**ACR 0944 AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP V (PSAV)**

108 clock hours

Course provides a guide to service work, dealing with human relationships and basic electricity, Section 608 C.F.C. Certification.

**ACR 0945 AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP VI (PSAV)**

108 clock hours

Course continues with basic electricity.

**ACR 0946 AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP VII (PSAV)**

108 clock hours

Course provides basic refrigeration, air conditioning and heating systems. Section 608. C.F.C. certification Refrigeration controls.

**ACR 0947 AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP VIII (PSAV)**

108 clock hours

Course continues with refrigeration, air conditioning and heating system. Course covers different piping systems.

**ACR 0948 AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP IX (PSAV)**

108 clock hours

Course provides hydronic heating and cooling system instruction.

**ACR 0949 AIR CONDITIONING AND REFRIGERATION APPRENTICESHIP X (PSAV)**

108 clock hours

Course provides class job foreman and leadership. Equipment and building control system.

**AMH 2010 UNITED STATES HISTORY TO 1865 (AA)**

3 credits (3 lecture hours)

Examines the extension of European culture into the Western Hemisphere, the growth and development of the 13 English colonies and intensive study of the Constitution of the United States and the early national period of the United States to the end of the Civil War. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. Gordon Rule and computer application required. Written work: 2,000 words. Requires a demonstration of computer application. A grade of C or higher is required for this course to be used as a General Education course. Distance section may be available.

**AMH 2020 UNITED STATES HISTORY FROM 1865 TO PRESENT (AA)**

3 credits (3 lecture hours)

A continuation of AMH 2010, this course emphasizes the development of the United States into a world power and the internal, economic, social, political and cultural movements and forces. Distance Learning section may be available.

**AMH 2091 AFRICAN-AMERICAN HISTORY (AA)**

3 credits (3 lecture hours)

This course presents a balanced view of the American past and present as each relates to race relations and democratic ideals and equips students with the ability to analyze the meaning of the African-American experience. It includes related concerns and relations of African-Americans, Indians, Hispanics and other ethnic minorities as they impact American life today.

**AML 2010 AMERICAN LITERATURE TO 1865 (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121

Students in AML 2010 will study the literature of America from colonial times through the Civil War era. They will examine the literary works, ideas, authors, history and intellectual climate of early America. They will also develop effective reading, writing and analytical skills and a sense of literary taste. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. Written work: 3,000 words. A grade of C or higher is required for this course to be used as a General Education course.

**AML 2020 AMERICAN LITERATURE AFTER 1865 (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121

Students in AML 2020 will study the literature of America from the Civil War through the modern era. They will examine the literary works, ideas, authors, history and intellectual climate of modern America. They will also develop effective reading, writing and analytical skills and a sense of literary taste. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. A grade of C or higher is required for this course to be used as a General Education course. Written work: 3,000 words.

**ANT 2000 ANTHROPOLOGY (AA)**

3 credits (3 lecture hours)

Survey of anthropology: human kind's remote origins, physical traits (physical anthropology), languages (linguistics) and antiquities (archaeology), as well as lifestyles and institutions of peoples around the world (cultural and social anthropology). Diversities and similarities are explored through selected theories and methods. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. Gordon Rule writing requirement minimum 2,000 words and a demonstration of computer application are required. A grade of C or higher is required for this course to be used as a General Education course.

**APA 1111 BOOKKEEPING I (AS)**

3 credits (3 lecture hours)

Application of accounting concepts and procedures in sole proprietorship service and merchandising companies offering: (1) vocational preparation for jobs in accounting, (2) a practical background in accounting for other careers, such as clerical, secretarial, sales and managerial positions and (3) preparation and background for more advanced studies.

**APA 1121 BOOKKEEPING II (AS)**

3 credits (3 lecture hours)

Prerequisite: APA 1111

Application of accounting concepts and procedures in partnerships, corporations and manufacturing accounting in preparation for a position as a full-charge bookkeeper. The course will include valuation of receivables, inventories and equipment as well as the analysis and interpretation of financial statement and the statement of cash

flows.

**APA 2172 COMPUTERIZED BOOKKEEPING (AS)**

4 credits (4 lecture hours)

Prerequisites: APA 1111, APA 1121

An overview of computerized bookkeeping applications software is provided. Windows, spreadsheet software and a payroll program will be used to familiarize the students with the basic support tools available to a full-charge bookkeeper.

**ARC 1301C ARCHITECTURAL DESIGN I (AA)**

3 credits (1 lecture hour, 4 lab hours)

Corequisite: ARC 1701

The first of a required four-term design studio sequence, this course introduces students to the design of space as the analysis, formation and articulation of habitable volumes.

**ARC 1302C ARCHITECTURAL DESIGN II (AA)**

3 credits (1 lecture hour, 4 lab hours)

Prerequisite: ARC 1301C, ARC 1701; Corequisite: ARC 2212

This course is the second in a four-studio sequence, continuing investigation and development of space-shaping language and its inherent structure and process of application. Skills learned in ARC 1301C are engaged in both analysis and design processes. Concrete linkages to ARC 1701 (History of Architecture) are developed through the requirement that materials introduced in lectures be further investigated through spatial analysis.

**ARC 1701 HISTORY OF ARCHITECTURE (AA)**

3 credits (3 lecture hours)

A general survey of social, political and cultural factors, which have generated architecture from prehistoric times through the 18th century.

**ARC 2212 THEORY OF ARCHITECTURE (AA)**

3 credits (3 lecture hours)

Prerequisite: ARC 1301C

The student will demonstrate a proficiency in the basic principles, theories, concepts, goals and aspirations of architecture according to contemporary professional values.

**ARC 2303C ARCHITECTURAL DESIGN III (AA)**

3 credits (1 lecture hour, 4 lab hours)

Prerequisites: ARC 1302C, ARC 2212; Corequisite: ARC 2461

The third of eight required courses, developing the analytical and generative processes applied to spatial precedents begun in ARC 1302C. Architectural space as it is sited both in history and landscape is the primary focus of the studio, requiring concrete linkages that parallel ARC 2212.

**ARC 2304C ARCHITECTURAL DESIGN IV (AA)**

3 credits (1 lecture hour, 4 lab hours)

Prerequisite: ARC 2303C, ARC 2461

The fourth required design course in a four-course sequence is intended to summarize and engage the various foundational skills, abilities and understandings from the previous three design courses. Integration and utilization of the information from the architecture courses will be engaged.

**ARC 2461 MATERIALS AND METHODS OF CONSTRUCTION I (AA)**

3 credits (3 lecture hours)

Introduction to materials and methods of construction with emphasis on wood, masonry, concrete and steel. The evaluation of materi-

als, functional applications and code requirements is stressed. Lab exercises include photographs of representative building systems and components with models. Field trips to building construction sites and fabricating plants are also included.

**ARC 2501 STRUCTURES (AA)**

3 credits (3 lecture hours)

Prerequisite: MAC 2233

Basic study in the principles and evaluations of structures as applied to architecture. Major topics of study include statics, stress and the characteristics of beam and column behavior. This course will enable the student to develop a structural sense in creating architectural solutions.

**ARH 1000 ART APPRECIATION (AA)**

3 credits (3 lecture hours)

Explores important works of the visual arts from the past and present and is designed to provide insights into works of art and meet the needs of the General Education program in the Humanities. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. Written work: 2,000 words minimum. A grade of C or higher is required for this course to be used as a General Education course.

**ARH 2050 HISTORY OF ART (EARLY) (AA)**

3 credits (3 lecture hours)

This course provides a study of works of art from prehistoric world through the Renaissance including painting, sculpture, and architecture. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. Written work: 2,000 words minimum. A grade of C or higher is required for this course to be used as a General Education course.

**ARH 2051 HISTORY OF ART (MODERN) (AA)**

3 credits (3 lecture hours)

A study of works of art from post-Renaissance through modern including painting, sculpture, and architecture is provided. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. Written work: 2,000 words minimum. A grade of C or higher is required for this course to be used as a General Education course.

**ART 1100C INTRODUCTION TO CRAFTS (AA)**

3 credits (2 lecture hours, 2 lab hours)

A survey of arts and crafts pertaining to recreational leadership, mental health programs, occupational therapy and educational programs. Power and hand tools will be used to create projects in clay, wood, paper, fibers and metal. Studio fee required. Not offered at Belle Glade.

**ART 1101C CRAFTS (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: ART 1100C

In-depth training in a limited number of materials and techniques for crafts, according to the student's individual needs. Studio fee required. Not offered at Belle Glade.

**ART 1201C DESIGN FUNDAMENTALS (AA)**

3 credits (2 lecture hours, 2 lab hours)

A basic course in visual principles and elements of design emphasizing the vocabulary of art and technical skill in handling art tools for two-dimensional visual creations. Studio fee required. Supply purchase required. Not offered at Belle Glade.

**ART 1203C THREE-DIMENSIONAL DESIGN (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisites: ART 1201C and ART 1300C

This course is an introduction to three-dimensional visual experiences with emphasis on observing reality using the principles of design. Technical skills utilize sculptural media. Studio fee required. Supply purchase required. Not offered at Belle Glade.

**ART 1205C COLOR DESIGN (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisites: ART 1201C and ART 1300C

A transferable studio course which continues the visual elements and principles of composition with emphasis on color theory and the use of color and light in design. Studio fee required. Supply purchase required. Not offered at Belle Glade.

**ART 1230C GRAPHIC DESIGN I (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisites: ART 1201C and ART 1300C

An introduction to graphic design using the visual elements and principles of design, knowledge of tools and layout procedures is provided. Studio fee required. Supply purchase required. Not offered at Belle Glade.

**ART 1300C DRAWING FUNDAMENTALS (AA)**

3 credits (2 lecture hours, 2 lab hours)

This is an introductory course in drawing using three-dimensional design principles. Emphasis is on vision and the two-dimensional surface. Technical skills are developed through various graphic media. The use and purpose of illusions, including linear perspective, are explored preparatory to expressive drawing and compositions. Studio fee required. Supply purchase required. Not offered at Belle Glade.

**ART 1301C INTERMEDIATE DRAWING (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: ART 1300C

This is an introductory course in figure drawing, in which the student studies skeletal drawing and the muscular composition of the human form. Drawings exhibit the design concepts learned in ART 1300C. Students develop a sensitivity to the page and ability to employ the use of negative space. Studio fee required. Supply purchase required. Not offered at Belle Glade.

**ART 1750C ■ INTRODUCTION TO CERAMICS (AA)**

3 credits (2 lecture hours, 2 lab hours)

Introduces basic methods of ceramic production in hand building, wheel throwing and glaze application. May be repeated one time for credit. Studio fee required. Not offered at Belle Glade.

**ART 1751C R INTERMEDIATE CERAMICS (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: ART 1750C R

Continuation of ART 1750C. Kiln stacking, firing and glaze formulation. May be repeated one time. Studio fee required. Not offered at Belle Glade.

**ART 2150C JEWELRY DESIGN I (AA)**

3 credits (2 lecture hours, 2 lab hours)

An introductory course to jewelry making in which cutting, sawing,

soldering, stone setting and centrifugal casting are taught. Students will learn to use specific jewelry making tools and equipment. Studio fees required.

#### **ART 2231C GRAPHIC DESIGN II (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: ART 1230C, GRA 2800C or instructor permission required

The second in a series of courses to prepare the student for advanced studies in advertising design. This course covers production procedures from rough layout to finished art. The student will use various computer software programs to assist them in completing the design projects as assigned. The student should have experience in using the Macintosh computer before enrolling. Lake Worth only.

#### **ART 2232C PORTFOLIO COMPOSITION (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: ART 2231C

This course covers visualization and presentation of layout and design with emphasis on designing visual advertising programs for companies. Speed and proficiency are goals and the production becomes the basis for an artistic portfolio. Lake Worth only. Supply purchase required. Studio fee required.

#### **ART 2400CR INTRODUCTION TO PRINTMAKING (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisites: ART 1201C and ART 1300C

An introduction to printmaking techniques, including etching, silkscreen, intaglio and relief painting. Plexiglass is used in addition to traditional metal plate printing. Lake Worth only. Supply purchase required. Studio fee required.

#### **ART 2401CR PRINTMAKING (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: ART 2400C

Students utilize the skills begun in ART 2400C to continue developing design experiences. Printmaking with emphasis on image-making related to printing processes. Consistency in the control of edition publication is stressed while continuing experimentation with design in original thinking. Lake Worth only. Supply purchase required. Studio fee required. May be repeated twice for credit.

#### **ART 2500C INTRODUCTION TO PAINTING (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisites: ART 1201C and ART 1300C

A beginning college course in painting allows experimentation in oils, acrylics and watercolors. Projects are designed to provide experience in mixing colors, selection and application to surfaces of various types. Exercises are assigned which expand the thinking of the student as relates to the possibilities of creativity through the paint media. Supply purchase required. Studio fee required.

#### **ART 2501CR PAINTING COMPOSITION (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: ART 2500C

This course is a continuation of ART 2500C with further investigation of expression and composition through technical procedures. Students develop ideas and continue experimentation with painting. Change in the scale of the student paintings is suggested, along with the variety of techniques that may be explored. Supply purchase required. Studio fee required. This course may be repeated twice for credit.

#### **ART 2502C FIGURE PAINTING (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisites: ART 1301C and ART 2500C or instructor permission required

The use of the human figure as a subject for painting is covered. The course includes development of a representation of the figure, creation of a design using a relatively flat picture plane, abstraction of the figure and creation of a work more dependent on ideas than on illusions of space. Supply purchase required. Studio fee required.

#### **ART 2701C SCULPTURE (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: ART 1203C or instructor permission required

This introductory course in sculpture to develops aesthetic expression through exploration of additive and subtractive procedures in three-dimensional media. Mold-making and casting are included. Lake Worth only.

#### **ART 2710C STONE CARVING (AA)**

2 credits (1 lecture hour, 3 hours lab)

Prerequisite: ART 2701C or instructor permission required

This is an intermediate course in sculpture with an emphasis on stone carving. This course includes evaluation of stone for potential use of points and chisels to rough out an image, using tools to develop the surface, polishing and mounting. Both hand tools and automatic tools are used. Lake Worth only.

#### **ASC 1101 AERO-NAVIGATION (AS)**

3 credits (3 lecture hours)

Prerequisite: ATT 1100

Introduction to navigation including piloting, dead reckoning, radio and celestial and use of serial charts, plotters and navigational procedures are provided.

#### **ASC 1210 AERO-METEOROLOGY (AS)**

3 credits (3 lecture hours)

Weather, its hazards, and available FAA services for pilots are presented.

#### **ASC 1310 AERO-SAFETY AND REGULATIONS (AS)**

2 credits (2 lecture hours)

In-depth study of federal aviation regulations and procedures required through the ATP rating. A portion of the time will be spent analyzing aircraft performances related to regulations and safe operating procedures.

#### **ASC 1640 PROPULSION SYSTEMS (AS)**

3 credits (3 lecture hours)

Theory of engines, engine construction and engine operating procedures. Performance and safe engine operation are emphasized.

#### **ASC 2550 AERODYNAMICS (AS)**

3 credits (3 lecture hours)

Prerequisite: ATT 1100

Study of physical flight principles including airflow, airfoils and the production of lift and drag as applied to airplane performance, stability and control. Special attention is given to high-speed and hovering flight.

#### **AST 1002 DESCRIPTIVE ASTRONOMY (AA)**

3 credits (3 lecture hours)

Introductory survey of the universe, the solar system, structure and

motion of the earth and moon; formation and decay of stars; planetary motion; physical nature of the planets, comets and meteors; basic laws of astronomy, nebulae and galactic structure. Instruction will include lectures, discussion, and observations. A grade of C or higher is required for this course to be used as a General Education course.

#### **AST 1003 PLANETARY ASTRONOMY (AA)**

3 credits (3 lecture hours)

Primarily conceptual study of the solar system, including the motions and properties of the Earth, sun, moon and planets, formation of the solar systems and discoveries from recent space missions. Course includes an observational component utilizing small telescopes and computer controlled cameras. A grade of C or higher is required for this course to be used as a General Education course.

#### **AST 1004 STELLAR AND GALACTIC ASTRONOMY (AA)**

3 credits (3 lecture hours)

Primarily conceptual study of our sun, other stars, galaxies and the universe, including their formation, evolution and ultimate fate, as well as discoveries from recent space missions. Course includes an observational component utilizing small telescopes and computer-controlled cameras. A grade of C or higher is required for this course to be used as a General Education course.

#### **ATT 1100 FLIGHT-PRIVATE (AS)**

3 credits

FAA Private Pilot's License requires a minimum of 40 hours flight time of which at least 10 must be solo flight. This course provides 53 hours of flight time including 3 hours for FAA check ride. Examinations in both flight and ground subjects are given by the FAA.

#### **ATT 1150**

1 credit

Prerequisite: ATT 1100

This course provides students the flight time necessary to qualify them to apply for the instrument/commercial ratings. fifty-five hours of flight time are required with specific cross-country, pilot in command and night flying required. Students having adequate flight time logged may apply for credit through experiential learning.

#### **ATT 1600 BASIC FLIGHT SIMULATOR (AS)**

1 credit

Fifteen (15) class hours are required for FAA credit consisting of an introduction to simulator systems and basic instrument flight maneuvers involving development of calibration scan and interpretation techniques.

#### **ATT 2200 FLIGHT-COMMERCIAL I (AS)**

3 credits

Prerequisite: ATT 2200; Corequisite: ATT 2110

FAA Commercial Pilot's license requires 250 hours of flight time, of which 50 hours can be completed in a FAA-approved flight simulated training device. This course includes 23 hours of flight time, of which 10 hours are in a complex aircraft, 20 hours are dual instruction; also includes 3 solo hours for FAA check ride. Attending a FAA-approved ground and flight school may save some flight hours. The FAA gives examinations in both flight and ground subjects.

#### **ATT 2250 ADVANCED FLIGHT LAB (AS)**

1 credit

Prerequisite: ATT 1150

This course provides students the flight time necessary to qualify them to apply for the commercial rating. Forty-five (45) hours of

flight time are required with specific cross-country, pilot in command instrument flight and night flying required. Students having adequate flight time logged may apply for credit through experiential learning.

#### **ATF 2300 INSTRUMENT FLIGHT (AS)**

3 credits

Prerequisites: ATF 1100, ATF 1600, ATT 1100, ATT 2120; Corequisites: ATF 2160, ATT 2120

For an instrument rating, the FAA requires 15 hours of instrument instruction and 40 hours of pilot instrument time with appropriate ground school. FAA flight and ground examinations must be passed. Course includes 38 hours of flight time. Course provides 35 hours of dual flight instruction and 3 hours solo aircraft time for the FAA check ride.

#### **ATF 2400 MULTI-ENGINE FLIGHT (AS)**

1 credit

Prerequisite: ATF2200; Prerequisite or corequisite: ATT 2110

This course is designed to allow either a private or commercial pilot to add an airplane multi-engine land class rating to an existing pilot certificate. This course includes 13 hours of dual instruction and 2 hours for the FAA check ride.

#### **ATF 2500 CERTIFIED FLIGHT INSTRUCTOR (AS)**

1 credit

Prerequisites: ATF 2200, ATF 2300; Prerequisite or corequisite: ATT 2131

This course provides the flight instruction required to obtain the flight instructor certificate. This course includes 20 hours dual airplane instruction and 4 hours for the FAA check ride.

#### **ATF 2605 INTERMEDIATE FLIGHT SIMULATOR (AS)**

1 credit

Prerequisite: ATF 1600 or instructor/chairman approval

Fifteen (15) class hours are required for FAA credit. This course is a continuation of skill-developed simulator flight with emphasis on introduction to navigation systems and problems.

#### **ATF 2610 ADVANCED INSTRUMENT FLIGHT SIMULATOR (AS)**

1 credit

Prerequisites: ATF 1600 and ATF 2605 or instructor/chairman approval

Twenty (20) class hours are required for FAA credit. Advanced simulator laboratory designed to develop proficiency in cross-country IFR and approach IFR flight. Twenty (20) hours is creditable toward FAA instrument instruction flight time requirements.

#### **ATF 2691 A-E INSTRUMENT REFRESHER SIMULATOR LABORATORY (AS)**

1 credit

Modular course covering simulator instruction for pilots on an individual basis: consists of three-hour simulator modules to improve pilot proficiency in handling instrument flight problems and meeting FAA instrument currency requirements. Requires instructor approval and is offered on demand. Completion of five modules earns one semester hour credit.

#### **ATT 1100 PRIVATE PILOT GROUND SCHOOL (AS)**

3 credits (3 lecture hours)

Theory of flight, navigation, meteorology, aircraft performance, and regulations required to prepare for the FAA Private Pilot Written Examination.

**ATT 2110 COMMERCIAL PILOT GROUND SCHOOL (AS)**

3 credits (3 lecture hours)  
Prerequisite: ATT 1100

This course includes basic aerodynamics, advanced airplane performance, airplane systems and power plants, aviation weather, FARS, navigation, flight operations, aeromedical factors, aeronautical decision making, cockpit resource management and multi-engine airplane operation. It prepares the student for the FAA Commercial Pilot Written Examination and the multi-engine airplane rating.

**ATT 2120 INSTRUMENT GROUND SCHOOL (AS)**

3 credits (3 lecture hours)  
Prerequisite: ATT 1100

Instrument Ground School with emphasis on instrument navigation, flight procedures, approaches, weather for instrument pilots and advanced aircraft performance. This course provides preparation for FAA instrument examination.

**ATT 2131 FLIGHT INSTRUCTOR GROUND SCHOOL (AS)**

2 credits (2 lecture hour)

Prerequisite: ATF 2300 or ATF 2200

This course introduces the student to fundamentals of flight instruction. It includes information on the learning process, effective teaching methods, critique and evaluation, lesson plans and psychological behavior. The course prepares the student for the FAA Fundamentals of Instructing Written Test and the Flight Instructor Airplane Written Examination.

**AVM 2010 AEROSPACE AND AIR TRAVEL (AS)**

3 credits (3 lecture hours)  
Prerequisite: ATT 1100 or approval of instructor

Study of passenger movement, airfreight, and airline operations, including financing, personnel, training, procurement of equipment, public relations and other problems related to air carriers and contractors.

**BAN 1211 STATEMENT ANALYSIS (AS)**

3 credits (3 lecture hours)

Basic concepts and skills of statement analysis are emphasized.

**BAN 2213 ANALYZING FINANCIAL STATEMENTS (AS)**

3 credits (3 lecture hours)

Explains basic elements of financial statements and the tools of analysis. Requires no accounting or credit training. Case studies, exercises and sample statements are utilized.

**BAN 2231 COMMERCIAL LENDING (AS)**

3 credits (3 lecture hours)

Overview of the commercial lending function targeted to management trainees and junior management and is divided into four sections: commercial lending, the lending process, portfolio management and regulation and business development.

**BAN 2412 FINANCIAL PLANNING (AS)**

3 credits (3 lecture hours)

Overview of the financial planning process and its applications and prepares students for financial decisions at home and work.

**BCA 0470 FIRE SPRINKLER APPRENTICESHIP I (FALL)(PSAV)**

72 clock hours

This course provides an introduction to the Fire Sprinkler Fitter Trade and introduces workplace safety, materials, common tools, pipe hangers, supports, restraints, guides, threaded steel piping systems and fittings for the first semester apprentice.

**BCA 0471 FIRE SPRINKLER APPRENTICESHIP II (SPRING)(PSAV)**

72 clock hours

This course continues the introduction to the Fire Sprinkler Fitter Trade and identifies and describes metal, plastic, copper tube and underground pipe systems, tools, classifications, fitting, joining and handling methods for the second semester apprentice.

**BCA 0472 FIRE SPRINKLER APPRENTICESHIP III (FALL)(PSAV)**

72 clock hours

This course provides a basic understanding of the various types of fire sprinkler systems, their usage, and installation with O.S.H.A. and C.P.R. instruction for the third semester apprentice.

**BCA 0473 FIRE SPRINKLER APPRENTICESHIP IV (SPRING)**

72 clock hours

This course identifies and describes the purpose and operation of wet fire sprinkler systems and dry pipe systems for the fourth semester apprentice.

**BCA 0474 FIRE SPRINKLER APPRENTICESHIP V (FALL)(PSAV)**

72 clock hours

This course provides an understanding of the planning and design of fire sprinkler systems and the mathematics used to perform sprinkler system design and installation for the fifth semester apprentice.

**BCA 0475 FIRE SPRINKLER APPRENTICESHIP VI (SPRING)(PSAV)**

72 clock hours

This course continues the planning and design of the fire sprinkler system with emphasis on supply systems for the sixth semester apprentice.

**BCA 0476 FIRE SPRINKLER APPRENTICESHIP VII (FALL)(PSAV)**

72 clock hours

This course provides an understanding of special extinguishing systems, their design and inspection for the seventh semester apprentice.

**BCA 0477 FIRE SPRINKLER APPRENTICESHIP VIII (SPRING)(PSAV)**

72 clock hours

The course continues special extinguishing systems with basic hydraulic concepts, system design and hydraulic calculations. An introduction to foremanship, documentation and tracking is included for the eighth semester apprentice.

**BCA 0480 FIRE SPRINKLER APPRENTICESHIP CO-OP I (FALL/SPRING)(PSAV)**

273 clock hours

This course is designed to provide first year apprenticeship students with realistic on-the-job training experience to acquire and apply knowledge, skills, and attitudes in an occupational field. A cooperative teacher and the employer provide supervision on-the-job.

**BCA 0481 FIRE SPRINKLER APPRENTICESHIP CO-OP II (SUMMER)(PSAV)**

300 clock hours

This course is designed to provide first year apprenticeship students with realistic on-the-job training experience to acquire and apply knowledge, skills, and attitudes in an occupational field. A cooperative teacher and the employer provide supervision on the job.

**BCA 0482 FIRE SPRINKLER APPRENTICESHIP CO-OP III (FALL/SPRING)(PSAV)**

273 clock hours

This course is designed to provide second year apprenticeship students with realistic on-the-job training experience to acquire and apply knowledge, skills, and attitudes.

**BCA 0483 FIRE SPRINKLER APPRENTICESHIP CO-OP IV (SUMMER)(PSAV)**

300 clock hours

This course is designed to provide second year apprenticeship students with realistic on-the-job training experience to acquire and apply knowledge, skills, and attitudes in an occupational field. A cooperative teacher and the employer provide supervision on the job.

**BCA 0484 FIRE SPRINKLER APPRENTICESHIP CO-OP V (FALL/SPRING)(PSAV)**

273 clock hours

This course is designed to provide third year apprenticeship students with realistic on-the-job training experience to acquire and apply knowledge, skills, and attitudes in an occupational field. A cooperative teacher and the employer provide supervision on the job.

**BCA 0485 FIRE SPRINKLER APPRENTICESHIP CO-OP VI (SUMMER)(PSAV)**

300 clock hours

This course is designed to provide apprenticeship students with realistic on-the-job training experience to acquire and apply knowledge, skills, and attitudes in an occupational field. A cooperative teacher and the employer provide supervision on the job.

**BCA 0486 FIRE SPRINKLER APPRENTICESHIP CO-OP VII (FALL/SUMMER)(PSAV)**

273 clock hours

This course is designed to provide fourth year apprenticeship students with realistic on-the-job training experience to acquire and apply knowledge, skills, and attitudes in an occupational field. A cooperative teacher and the employer provide supervision on the job.

**BCA 0487 FIRE SPRINKLER APPRENTICESHIP CO-OP VIII (SUMMER)(PSAV)**

300 clock hours

Apprenticeship students with realistic on-the-job training experience acquire and apply knowledge, skills, and attitudes in an occupational field. A cooperative teacher and the employer provide supervision on the job.

**BCN 1210 BUILDING CONSTRUCTION MATERIALS (AS)**

3 credits (3 lecture hours)

Corequisite: BCA 2253C

Covers sources, properties, and uses of construction materials.

**BCN 1272 PLANS INTERPRETATION (AS)**

3 credits (3 lecture hours)

Develops ability to read and interpret working drawings and specifications used in the construction industry.

**BCN 2220 CONSTRUCTION MATERIALS AND METHODS (AS)**

3 credits (3 lecture hours)

Construction methods are analyzed and classified. Developments in new materials and systems are discussed with emphasis on applications and future trends in South Florida. Some construction experience preferred.

**BCN 2253C ARCHITECTURAL DRAFTING (AS)**

3 credits (1 lecture hour, 5 lab hours)

Prerequisite: ETD 1100C or equivalent; Corequisite: BCA 1210 Problems in architecture are studied, such as details of footings, foundations, floors, walls, roofs, and openings in masonry and wooden structures. Application is made through projects.

**BCN 2941 BUILDING CONSTRUCTION EXPERIENCE (AS)**

4 credits (4 lecture hours)

Credit will be given those documenting four years experience toward journeyman-level tradesmanship.

**BCT 1600 ADVANCED CONSTRUCTION ESTIMATING (AS)**

3 credits (3 lecture hours)

Analysis and determination of building construction costs beginning with classification of materials, labor and subcontracted work into the smallest manageable units; estimating more advanced elements of building construction, analysis of costs of complicated systems of construction involving commercial buildings; and including indirect and overhead costs, the preparation of bid proposals and related documents.

**BCT 1743 CONSTRUCTION LAW (AS)**

3 credits (3 lecture hours)

Legal aspects of construction contracts and the responsibilities arising from field operations including relationship of general contractor to owner, architect and subcontractor, material, men and mechanics lien law; bonds; labor law; OSHA; workman's compensation; taxes; and other statutes and ordinances regulating contractors.

**BCT 1750 CONSTRUCTION FINANCE (AS)**

3 credits (3 lecture hours)

Building construction financing and related contract requirements includes construction loans, permanent building mortgages, construction bids and contracts, penalty and incentive provisions, progress payments and retention, escalation provision, cost extras, performance and bid bonds, company profits, cash flow, business loans and insurance.

**BCT 2705 CONSTRUCTION SUPERVISION PROCEDURE (AS)**

3 credits (3 lecture hours)

Examines techniques of supervision and management of skilled and unskilled personnel on the job site, office personnel and technical and professional individuals includes problems of delegation of authority, accountability, morale, motivation, grievances, human relations, leadership and incentive.

**BCV 0800 PAINTER APPRENTICESHIP I (PSAV)**

78 clock hours

Course provides general jobsite safety, emergency procedures including first aid and CPR, ergonomics, math and trade terminology review, labor history.

**BCV 0801 PAINTER APPRENTICESHIP II (PSAV)**

126 clock hours

Course continues with trade tools, identity, use, and care. This course provides an introduction to respiratory protection and a pulmonary function test and employability skills.

**BCV 0802 PAINTER APPRENTICESHIP III (PSAV)**

78 clock hours

Course provides identification and use of materials of the trade. This course provides an introduction to color mixing and matching and relationship to decorating.

**BCV 0803 PAINTER APPRENTICESHIP IV (PSAV)**

126 clock hours

Course provides identification and use of ladders and scaffolding. This course provides an introduction to decorative applications.

**BCV 0804 PAINTER APPRENTICESHIP V (PSAV)**

78 clock hours

Course covers surface preparation and coating applications.

**BCV 0805 PAINTER APPRENTICESHIP VI (PSAV)**

126 clock hours

Course covers surface preparation and coating applications and blueprint reading.

**BCV 0806 PAINTER APPRENTICESHIP VII (PSAV)**

78 clock hours

Course covers wall-covering application.

**BCV 0807 PAINTER APPRENTICESHIP VIII (PSAV)**

126 clock hours

Course covers advanced decorative applications, drywall operations and entrepreneurship.

**BCV 0811 CARPENTRY APPRENTICESHIP I (PSAV)**

90 clock hours

Demonstrate basic knowledge of the construction industry, including shop, occupational and employability skills, characteristics of lumber, proper handling and storage of materials, basic mathematics and science skills for carpentry. Utilize hand and power tools, read blueprints, set up and use a transit and builder's level, perform site preparation, form construction and layout activities. Demonstrate knowledge of structural shoring.

**BCV 0812 CARPENTRY APPRENTICESHIP II (PSAV)**

90 clock hours

Read, understand, and interpret C.F.R. 1926 Subpart L (scaffold regulations). Scaffold qualification, basic mathematics for carpentry, communication skills, basic science and employability skills. Tie knots and explain basic rigging equipment. Solve basic math problems. First aid/CPR.

**BCV 0813 CARPENTRY APPRENTICESHIP III (PSAV)**

90 clock hours

All aspects of commercial, residential, and industrial wood framing are presented.

**BCV 0814 CARPENTRY APPRENTICESHIP IV (PSAV)**

90 clock hours

Demonstrate knowledge in structural metal stud construction.

**BCV 0815 CARPENTRY APPRENTICESHIP V (PSAV)**

90 clock hours

Interior systems, metal studs, drywall hanging and finishing, acoustical ceilings and computer floors.

**BCV 0816 CARPENTRY APPRENTICESHIP VI (PSAV)**

90 clock hours

Door hanging and adjusting, finished hardware installation, interior, and exterior wood and concrete stairs are presented.

**BCV 0817 CARPENTRY APPRENTICESHIP VII (PSAV)**

90 clock hours

Blueprint reading estimating. Advanced molding installation in difficult situations.

**BCV 0818 CARPENTRY APPRENTICESHIP VIII (PSAV)**

90 clock hours

Machine woodworking and cabinetry are presented.

**BCV 0820 TILE SETTER APPRENTICESHIP I (PSAV)**

78 clock hours

This course provides an introduction to general job site safety and emergency procedures including first aid and CPR; math and trade terminology; the use, care, and effective safe handling of tools and apparatus commonly used in tile setting.

**BCV 0821 TILE SETTER APPRENTICESHIP II (PSAV)**

126 clock hours

This course is a continuation of the first semester course and provides instruction in proper tile setting materials, as well as the safe handling of additional tools and apparatus commonly used in tile setting.

**BCV 0822 TILE SETTER APPRENTICESHIP III (PSAV)**

78 clock hours

This course is a mid-level training course for students who are in their second year of tile setting apprenticeship. It provides continued development in the application of tile setting on walls, as well as the appropriate use of measurement and levels.

**BCV 0823 TILE SETTER APPRENTICESHIP IV (PSAV)**

126 clock hours

This course is a mid-level training course for students who are in their second year, second semester of tile setting apprenticeship. It introduces the students to building a curb and floating a shower floor, setting tile with glue or mastic, grouting tile of different widths, laying out and setting large tile with accuracy and cleaning of tile with solutions. Continued development will be provided in the appropriate methods of measurement and levels, as well as keeping walls level and plumb.

**BCV 0824 TILE SETTER APPRENTICESHIP V (PSAV)**

78 clock hours

This course is an advanced training course for students who are in their third year of tile setting apprenticeship. It provides advanced skill development in tile setting, as well as blueprint reading and estimating. Instruction in Red Cross first aid will be provided.

**BCV 0825 TILE SETTER APPRENTICESHIP VI (PSAV)**

126 clock hours

This course is for advanced tile setting apprentices who are in their third year, second semester. It provides advanced skill development in tile setting including cutting and installing marble on walls and floors, as well as continued proficiency in blueprint reading. Students who successfully complete this semester will be promoted to journeyman tile setter.

**BCV 0842 BRICKLAYER APPRENTICESHIP I (PSAV)**

78 clock hours

This course provides an introduction to general job site safety and emergency procedures including first aid and CPR; math and trade terminology; the use, care, and effective safe handling of tools and apparatus commonly used in bricklaying.

**BCV 0843 BRICKLAYER APPRENTICESHIP II (PSAV)**

126 clock hours

This course is a continuation of the first semester course and provides instruction in the mix and use of mortar with application to brick; instruction in trade building materials, as well as the safe handling of additional tools and apparatus commonly used in bricklaying.

**BCV 0844 BRICKLAYER APPRENTICESHIP III (PSAV)**

78 clock hours

This course is a mid-level training course for students who are in their second year of bricklaying apprenticeship. It provides continued

development in bricklaying, as well as the appropriate use of masonry tools, measurement and levels and the proper mix and use of bonds.

**BCV 0845 BRICKLAYER APPRENTICESHIP IV (PSAV)**

126 clock hours

This course is a mid-level training course for students who are in their second year, second semester of bricklaying apprenticeship. It introduces the students to bricklaying on reinforced walls, cavity walls with wall ties, as well as the cutting and laying of a bonded flat arch. Continued development will be provided in the appropriate methods of measurement and levels.

**BCV 0846 BRICKLAYER APPRENTICESHIP V (PSAV)**

78 clock hours

This course is an advanced training course for students who are in their third year of bricklaying apprenticeship. It provides advanced skill development in bricklaying, as well as blueprint reading and construction site building lines. Instruction in first aid will be provided.

**BCV 0847 BRICKLAYER APPRENTICESHIP VI (PSAV)**

126 clock hours

This course is for advanced bricklaying apprentices who are in their third year, second semester. It provides advanced skill development in bricklaying, including building chimneys, fireplaces, arches, groins and columns, as well as continued proficiency in blueprint reading. Students who successfully complete this semester will be promoted to journeyman bricklayer.

**BCV 0850 PLUMBER APPRENTICESHIP I (FIRST YEAR-TERM A) (PSAV)**

72 clock hours

Term A covers the essentials of law and careers related to plumbing, tools, pipes and fittings used in plumbing installation, safety and hazardous materials training and review of basic mathematics and sciences applied to the plumber's trade.

**BCV 0852 PLUMBER APPRENTICESHIP II (FIRST YEAR-TERM B) (PSAV)**

72 clock hours

Continues first year of apprenticeship program with an overview of installation practices of plumbing fixtures, faucets and valves. First aid, occupational safety and health, blueprint reading, and sketching are covered.

**BCV 0853 PLUMBER APPRENTICESHIP III (SECOND YEAR-TERM A) (PSAV)**

72 clock hours

Begins second year of program. Classroom instruction continues plumbing installation techniques including water pipes, distribution systems, water heaters, sewage, and drainage fixtures are covered. Applied mathematics continues to build on concepts covered in the first-year courses.

**BCV 0854 PLUMBER APPRENTICESHIP IV (PSAV)**

72 clock hours

Continues the second year of the program. Welding techniques and safety are continued from the previous course including soldering, brazing and cutting, metal-arc and oxy-acetylene welding and pipe tacking. Plumbing installation techniques are continued covering sewage pumps and ejectors, venting and hangers. The scientific concepts of water and water pressure are related to plumbing. Rigging and hoisting techniques and safety are reviewed.

**BCV 0855 PLUMBER APPRENTICESHIP V (PSAV)**

72 clock hours

Begins the third year of the program. Introduces residential and commercial installation of plumbing fixtures and appliances, more on mathematical concepts commonly used by plumbers and emphasis on gas codes for installation, inspection and testing.

**BCV 0856 PLUMBER APPRENTICESHIP VI (THIRD YEAR-TERM B) (PSAV)**

72 clock hours

Covers further topics in applied mathematics including calculations of tank capacities, volume and weight of water, sizing storm drains and piping expansion. Advanced applied scientific topics include heat transfer, basic electricity, electric current, electrical safety and electrical troubleshooting. Advanced structural blueprint reading including floor plans, site plans, plumbing, electrical, HVAC, and detail plans.

**BCV 0857 PLUMBER APPRENTICESHIP VII (FOURTH YEAR-TERM A) (PSAV)**

72 clock hours

Fourth-year course in the program begins repair and servicing of residential, commercial, institutional and industrial fixtures and piping systems. Mathematical concepts are advanced using formulas and tables to calculate pipe and system sizing. Heating systems are covered including hot water boilers, steam boiler, hydronic, warm air, solar and humidification systems.

**BCV 0858 PLUMBER APPRENTICESHIP VIII (FOURTH YEAR-TERM B) (PSAV)**

72 clock hours

Final semester in the four-year program continues the science applications related to pumps and pump repair and maintenance. Advanced blueprint reading, sketching and material take-off and estimates are covered. Plumbing codes are emphasized including regulations regarding sanitary drainage systems, medical facility plumbing, private sewage disposal, portable water supply pumps for mobile homes and trailer parks.

**BCV 0859 PLUMBER APPRENTICESHIP IX (PSAV)**

72 clock hours

This course provides related certification for backflow test and repair. Also skills taught for medical gas installer, brazier and nuclear valve technician. This course provides job foreman and leadership training.

**BCV 0860 PLUMBER APPRENTICESHIP X (PSAV)**

126 clock hours

This course provides continued related certification for backflow testing and repair. Also skills training for medical gas installer and nuclear valve technician are covered. The course provides further training for job foreman and leadership.

**BCV 0871 APPRENTICESHIP IN RESIDENTIAL WIRING I (FIRST YEAR-FIRST COURSE) (PSAV)**

72 clock hours

This course provides an introduction to general jobsite safety, emergency procedures including first aid and CPR, proper tool identification and use, basic rigging and digging techniques and introduction to construction blueprints and basic shop math.

**BCV 0872 APPRENTICESHIP IN RESIDENTIAL WIRING II  
(FIRST YEAR-SECOND COURSE) (PSAV)**

72 clock hours

This course provides an introduction to the National Electrical Code (NEC) and its application to residential wiring. An understanding of the various types of standard and special circuits and wiring load calculation and installation techniques will be included. Selection of conduit, wire, boxes, and cable trays are emphasized.

**BCV 0873 APPRENTICESHIP IN RESIDENTIAL WIRING III  
(SECOND YEAR-SECOND COURSE) (PSAV)**

72 clock hours

This course provides an introduction to AC theory, AC circuits, single and three phase circuits and systems. Generation of AC power, transformers, various AC motors will also be examined. This is the third course in the apprenticeship sequence.

**BCV 0874 APPRENTICESHIP IN ELECTRICAL WIRING IV  
(SECOND YEAR-SECOND COURSE) (PSAV)**

72 clock hours

This course provides theory of basic DC circuits as applied to residential wiring and controls. Math concepts and theory for Ohm's Law, Watts' Law and introduction to Kirchoff's Laws are covered. Series and parallel circuits, magnetism, DC motors/generators and controls are covered. This is the fourth course in the apprenticeship sequence.

**BCV 0875 APPRENTICESHIP IN ELECTRICAL WIRING V  
(THIRD YEAR-FIRST COURSE) (PSAV)**

72 clock hours

This course is first part of a two-course sequence dealing with building plans, basic calculations of source and loads, selection of materials, layout and installation of circuits for commercial buildings.

**BCV 0876 APPRENTICESHIP IN ELECTRICAL WIRING VI  
(THIRD YEAR-SECOND COURSE) (PSAV)**

72 clock hours

This course is second part of a two-course sequence dealing with building plans, basic calculations of source and loads, selection of materials, layout and installation of circuits for commercial buildings.

**BCV 0877 APPRENTICESHIP IN ELECTRICAL WIRING VII  
(PSAV)**

72 clock hours

This course is the first part of a two-course sequence dealing with the general principles of motor control and maintenance and AC/DC theory as it relates to motor. This is the seventh course in the apprenticeship sequence.

**BCV 0878 APPRENTICESHIP IN ELECTRICAL WIRING VIII  
(FOURTH YEAR-SECOND COURSE) (PSAV)**

72 clock hours

This course is the second part of a two-course sequence dealing with the general principles of motor control and maintenance and AC/DC theory as it relates to motors. This course includes an in-depth review of electrical theory and calculations. This is the eighth course in the apprenticeship sequence.

**BCV 0879 ELECTRICAL APPRENTICESHIP IX (PSAV)**

78 clock hours

This program provides an introduction to fire alarm systems, applications, installation and codes and standards. This course provides an introduction to instrumentation, process control, telephone wiring, and high voltage testing.

**BCV 0880 ELECTRICAL APPRENTICESHIP X (PSAV)**

126 clock hours

This program provides an introduction to air conditioning/refrigeration fundamentals, installation of basic security systems, installing and proper use of programmable controllers, also included; applying the NEC for code calculations.

**BCV 0890 PLASTERER APPRENTICESHIP I (PSAV)**

78 clock hours

This course provides an introduction to general job site safety and emergency procedures including first aid and CPR; math and trade terminology; the use, care and effective safe handling of tools and apparatus commonly used in plastering.

**BCV 0891 PLASTERER APPRENTICESHIP II (PSAV)**

126 clock hours

This course is a continuation of the first semester course and provides instruction in proper plastering bases, as well as the structure and preparation of materials; instruction in trade building materials, as well as the safe handling of additional tools and apparatus commonly used in plastering.

**BCV 0892 PLASTERER APPRENTICESHIP III (PSAV)**

78 clock hours

This course is a mid-level training course for students who are in their second year of plastering apprenticeship. It provides continued development in the application of plastering finishes, as well as the appropriate use of measurement and levels.

**BCV 0893 PLASTERER APPRENTICESHIP IV (PSAV)**

126 clock hours

This course is a mid-level training course for students who are in their second year, second semester of plastering apprenticeship. It introduces the students to lime putty mix, applying a finish coat, building and veneering a three-sided booth and building and brown-coating a three-sided booth. Continued development will be provided in the appropriate methods of measurement and levels, as well as keeping walls level and plumb.

**BCV 0894 PLASTERER APPRENTICESHIP V (PSAV)**

78 clock hours

This course is an advanced training course for students who are in their third year of plastering apprenticeship. It provides advanced skill development in plastering, as well as blueprint reading and estimating. Instruction in Red Cross first aid will be provided.

**BCV 0895 PLASTERER APPRENTICESHIP VI (PSAV)**

126 clock hours

This course is for advanced plastering apprentices who are in their third year, second semester. It provides advanced skill development in plastering including cut brick and imitation stone, making templates for lime putty cornices and projects, application of interior and exterior plastering on all surfaces, as well as continued proficiency in blueprint reading. Students who successfully complete this semester will be promoted to journeyman plasterer.

**BCV 0940 ■ PLUMBER APPRENTICESHIP CO-OP I (PSAV)**

273 clock hours

A coordinated work-study program reinforcing the educational and professional growth of students through parallel involvement in classroom studies and field experience is provided. Students and their coordinator determine the objectives for the on-the-job assignment. Students are then evaluated by their immediate supervisor on the accomplishment of the stated objectives.

**BCV 0941 ■ PLUMBER APPRENTICESHIP CO-OP II (PSAV)**

300 clock hours

Continues the field experience part of the Plumber Apprenticeship program. A directed work-study program, same as BCV 0940PR.

**BCV 0942 R PLUMBER APPRENTICESHIP CO-OP III (PSAV)**

273 clock hours

Continues the field experience of students in the Plumber Apprenticeship program. Coordinated, directed work-study objectives emphasize work safety in caulking cast iron pipe.

**BCV 0943 ■ PLUMBER APPRENTICESHIP CO-OP IV (PSAV)**

300 clock hours

Completes the second year of the Plumber Apprenticeship program. It continues the directed work-study experience of the apprenticeship introducing drainage piping and blueprint reading and layout.

**BCV 0944 ■ PLUMBER APPRENTICESHIP CO-OP V (PSAV)**

273 clock hours

Continues the Plumber Apprenticeship program. Venting, pipe cutting, reaming, threading and flanging are taught including use of power tools and safety.

**BCV 0945 ■ PLUMBER APPRENTICESHIP CO-OP VI (PSAV)**

300 clock hours

Continues the Plumber Apprenticeship program by providing directed work-study experience in hot and cold water systems in domestic installations.

**BCV 0946PR PLUMBER APPRENTICESHIP CO-OP VII (PSAV)**

273 clock hours

Continues the directed work-study portion of the Plumber Apprenticeship program with emphasis on gas systems applications, safety, and code requirements.

**BCV 0947 R PLUMBER APPRENTICESHIP CO-OP VIII (PSAV)**

300 clock hours

Final directed work-study sequence in the four-year Plumber Apprenticeship program. This course trains the student in single fixture and water heater systems installation.

**BCV 0948 R PLUMBER APPRENTICESHIP CO-OP IX (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0949 R PLUMBER APPRENTICESHIP CO-OP X (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0950 R ELECTRICAL APPRENTICESHIP CO-OP I (PSAV)**

273 clock hours

This is a coordinated work-study program that reinforces the educational and professional growth of students through parallel involve-

ment in classroom studies and field experience in the electrical trade. Students and their coordinator determine the objectives for the on-the-job assignment. The students are then evaluated by their immediate supervisor on the accomplishment of the stated objectives.

**BCV 0951 ■ ELECTRICAL APPRENTICESHIP CO-OP II (PSAV)**

300 clock hours

This course continues the field experience part of the Electrical Apprenticeship program. It is a coordinated, directed work-study program reinforcing classroom instruction in the electrical trade. The student and field coordinator determine the objectives for the on-the-job assignment and the student is evaluated according to the objectives.

**BCV 0952 ■ ELECTRICAL APPRENTICESHIP CO-OP III (PSAV)**

273 clock hours

This is a coordinated work-study program that reinforces the educational and professional growth of students through parallel involvement in classroom studies and field experience in the electrical trade. Students and their coordinator determine the objectives for the on-the-job assignment. The students are then evaluated by their immediate supervisor on the accomplishment of the stated objectives.

**BCV 0953 ■ ELECTRICAL APPRENTICESHIP CO-OP IV (PSAV)**

300 clock hours

This course continues the field experience part of the Electrical Apprenticeship program. It is a coordinated, directed work-study program reinforcing classroom instruction in the electrical trade. The student and field coordinator determine the objectives for the on-the-job assignment and the student is evaluated according to the objectives.

**BCV 0954 ■ ELECTRICAL APPRENTICESHIP CO-OP V (PSAV)**

273 clock hours

This course continues the third year of the Electrical Apprenticeship work-study experience by providing work experience in installing and servicing commercial wiring systems. Field activities are coordinated with classroom activities to provide students the opportunity to apply their knowledge and gain hands on skills. (Repeatable two terms)

**BCV 0955 ■ ELECTRICAL APPRENTICESHIP CO-OP VI (PSAV)**

300 clock hours

This course continues the Electrical Apprenticeship OJT experiences over the summer when classroom training is not offered.

**BCV 0956 ■ ELECTRICAL APPRENTICESHIP CO-OP VII**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.



training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0983 R TILE SETTER APPRENTICESHIP CO-OP II (FIRST YEAR-SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0984 R TILE SETTER APPRENTICESHIP CO-OP III (SECOND YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0985 R TILE SETTER APPRENTICESHIP CO-OP IV (SECOND YEAR-SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0986 R TILE SETTER APPRENTICESHIP CO-OP V (THIRD YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0987 R TILE SETTER APPRENTICESHIP CO-OP VI (THIRD YEAR-SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0988 R PAINTER APPRENTICESHIP CO-OP I (PSAV)**

273 clock hours  
This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0989 R PAINTER APPRENTICESHIP CO-OP II (PSAV)**

300 clock hours  
This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0990 R PAINTER APPRENTICESHIP CO-OP III (PSAV)**

300 clock hours  
This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0991 R PAINTER APPRENTICESHIP CO-OP IV (PSAV)**

300 clock hours  
This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0992 R PAINTER APPRENTICESHIP CO-OP V (PSAV)**

273 clock hours  
This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0993 R PAINTER APPRENTICESHIP CO-OP VI (PSAV)**

300 clock hours  
This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0994 R PAINTER APPRENTICESHIP CO-OP VII (PSAV)**

273 clock hours  
This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

itudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BCV 0995 R PAINTER APPRENTICESHIP CO-OP VIII (PSAV)**

300 clock hours  
This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**BOT 1010 GENERAL BOTANY I (AA)**

3 credits (3 lecture hours)  
Prerequisites: BSC 1010 and BSC 1010L; Corequisite: BSC 1010L  
Introductory survey of the plant kingdom with emphasis on phylogenetic relationships includes cytology, morphology, anatomy, physiology and economic importance of plants. A grade of C or higher is required for this course to be used as a General Education course.

**BOT 1010L GENERAL BOTANY I LABORATORY (AA)**

1 credit (2 lab hours)  
Prerequisites: BSC 1010 and BSC 1010L; Corequisite: BSC 1010L  
Laboratory exercises correlating topics of the lecture. A grade of C or higher is required for this course to be used as a General Education course.

**BSC 1005 CONCEPTS IN BIOLOGY (AA)**

3 credits (3 lecture hours)  
For non-science and elementary education majors only. This course is designed to give students an understanding of the major biological concepts. Lectures and discussions focus on how and understanding of biological concepts is relevant to environmental, social and ethical issues. A grade of C or higher is required for this course to be used as a General Education course. Note: This course cannot be used to satisfy degree requirements by students who already have credit in BSC 1010.

**BSC 1010 PRINCIPLES OF BIOLOGY (AA)**

3 credits (3 lecture hours)  
Corequisite: BSC 1010L  
An introduction to biology, cellular biology, biochemistry, genetics, and evolution is provided. This course is intended for science and pre-professional majors. A grade of C or higher is required for this course to be used as a General Education course. Students planning to take BSC 1011 and BSC 1010L should take both BSC 1010 and BSC 1010L.

**BSC 1010L PRINCIPLES OF BIOLOGY LABORATORY (AA)**

1 credit (2 lab hours)  
Prerequisites or corequisites: BSC 1010 or BSC 1005  
Laboratory studies in biochemistry, physiology, genetics, and histology are provided. A grade of C or higher is required for this course to be used as a General Education course.

**BSC 1011 PRINCIPLES OF BIOLOGY II (AA)**

3 credits (3 lecture hours)  
Prerequisites: BSC 1010 and BSC 1010L; Corequisite: BSC 1011L  
This course is the second of a two-semester sequence introducing science and pre-professional majors to biological principles includ-

ing a study of the five kingdoms, population dynamics and ecology. A grade of C or higher is required for this course to be used as a General Education course.

**BSC 1011L PRINCIPLES OF BIOLOGY II LAB (AA)**

1 credit (3 lab hours)  
Prerequisites: BSC 1010 and BSC 1010L; Corequisite: BSC 1011L  
This course is the laboratory component of the second of a two-semester sequence introducing science and pre-professional majors to biological principles including the five kingdoms, population dynamics and ecology. A grade of C or higher is required for this course to be used as a General Education course.

**BSC 1050 ENVIRONMENTAL CONSERVATION (AA)**

3 credits (3 lecture hours)  
This course examines man's role in modifying the natural environment. Students examine ecological problems and opportunities. Field trips and projects may be required. A grade of C or higher is required for this course to be used as a General Education course. Honors sections available.

**BSC 1085 ANATOMY AND PHYSIOLOGY I (AA)**

3 credits (3 lecture hours)  
Corequisite: BSC 1085L  
An introduction to the structure and functions of the human body is provided. Topics include chemistry, histology, and study of the integumentary, skeletal, muscular and nervous systems. A grade of C or higher is required for this course to be used as a General Education course.

**BSC 1085L ANATOMY AND PHYSIOLOGY I LAB (AA)**

1 credit (3 lab hours)  
Corequisite: BSC 1085  
This laboratory accompanies BSC 1085. This course provides an introduction to the structure and functions of the human body. Topics cover histology and study of the integumentary, skeletal, muscular and nervous systems. A grade of C or higher is required for this course to be used as a General Education course.

**BSC 1086 ANATOMY AND PHYSIOLOGY II (AA)**

3 credits (3 lecture hours)  
Prerequisite: BSC 1085, BSC 1085L; Corequisite: BSC 1086L  
A continuation of BSC 1085, the circulatory, endocrine, digestive, excretory, respiratory, and reproductive systems of the body are studied. A grade of C or higher is required for this course to be used as a General Education course.

**BSC 1086L ANATOMY AND PHYSIOLOGY II LAB (AA)**

1 credit (3 lab hours)  
Prerequisites: BSC 1085 and BSC 1085L; Corequisite: BSC 1086L  
This laboratory accompanies BSC 1086. It is an introduction to the structure and functions of the human body. Topics cover histology and study of Digestive, Cardiovascular, Respiratory, Urinary, and Reproductive System. A grade of C or higher is required for this course to be used as a General Education course.

**BUL 2241 BUSINESS LAW I (AA)**

3 credits (3 lecture hours)  
This is an introductory course on the fundamental concepts of law in society and the business environment. Topics include state and federal court systems, common statutory law, administrative procedures and constitutional law with emphasis on torts, contracts, bailments, and sales (warranties and liabilities).

**BUL 2242 BUSINESS LAW II (AA)**

3 credits (3 lecture hours)

Continuation of BUL 2241 includes negotiable instruments (checks, drafts and notes), principal and agent, business associations (including proprietorships, partnerships and corporations), debtor-creditor relationships and real and personal property.

**CCJ 1010 INTRODUCTION TO CRIMINOLOGY (AA)**

3 credits (3 lecture hours)

Examines four interrelated areas: (1) history of criminology/development of criminology; (2) causes of criminal behavior; (3) ways of defining and measuring crime and criminality; (4) methods for testing, examining, construction and criticizing criminological theories.

**CCJ 1020 ADMINISTRATION OF CRIMINAL JUSTICE (AA)**

3 credits (3 lecture hours)

Overview of the system of administration of justice with emphasis on due process, justice, and constitutional guarantees and civil rights of citizens and prisoners at various levels.

**CCJ 1191 INTRODUCTION TO HUMAN BEHAVIOR AND THE CRIMINAL JUSTICE PRACTITIONER (AA)**

3 credits (3 lecture hours)

This course provides a study of the nature and peculiarities of human behavior in direct relation to crime and delinquency with emphasis on how behavior relates to the duties and responsibilities of criminal justice practitioners in a democratic society.

**CCJ 1250 INTRODUCTION TO CONSTITUTIONAL LAW (AA)**

3 credits (3 lecture hours)

Introductory study of the United States Constitution and Florida Constitution presenting an in-depth analysis of constitutional law with emphasis on arrest, search and seizure, interrogations, self-incrimination and authority and limitations on police actions under the Bill of Rights.

**CCJ 1400 POLICE ADMINISTRATION I (AA)**

3 credits (3 lecture hours)

Covers administrative activity of a modern police department including administration, records, auxiliary services, recruitment, supervision, personnel evaluation, discipline, planning, and training.

**CCJ 1401 POLICE ADMINISTRATION II (AA)**

3 credits (3 lecture hours)

Covers police department operations that are seen by the general public, including the patrol, traffic, juvenile, vice and detective divisions.

**CCJ 2210 CRIMINAL LAW (AA)**

3 credits (3 lecture hours)

Study of the scope, purpose, definition, and classification of crimes is provided. Includes criminal intent, acts of omission and commission and offenses against the person and property. Elements of more common offenses and their defense are studied in-depth.

**CCJ 2230 LAWS OF EVIDENCE (AA)**

3 credits (3 lecture hours)

Examines evidence and rules governing admissibility of evidence to court and continues the study of the criminal justice system. Emphasis is on Florida laws of evidence and their application.

**CCJ 2231 LAW OF ARREST, SEARCH, AND SEIZURE (AA)**

3 credits (3 lecture hours)

Covers right and duty to make arrests; obligations imposed by oath

of officer; distinction between felony and misdemeanor; requisites of legal arrest in the Florida Penal Code; immunity from arrest; legal rights to suspect, techniques and procedures in effecting arrests; legal use of force, degree of force, rights of arrested persons; attitude and remarks of arresting officer; laws and regulations pertaining to search and hold for evidence or confiscation of property.

**CCJ 2310 ORGANIZATION AND ADMINISTRATION OF CORRECTIONAL FACILITIES (AA)**

3 credits (3 lecture hours)

The organization of institutions is studied. Treatment, custody and support activities are examined as entities and in relation to each other. Custodial, classification, reception and orientation and release procedures are reviewed including planning programs for specialized behavioral problems of inmates.

**CCJ 2330 PRINCIPLES OF PROBATION AND PAROLE (AA)**

3 credits (3 lecture hours)

Examines procedures associated with community-based treatment programs before and after incarceration including sentencing patterns, problems and procedures along with administrative policies. Supervision of probationers and parolees including individual treatment and counseling methods will be explored.

**CCJ 2500 JUVENILE DELINQUENCY (AA)**

3 credits (3 lecture hours)

An introduction to causes and treatment of juvenile delinquency is provided. The organization, functions and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile status and court procedures; methods in delinquency control; and special attention given to forms of family, church and community resources bearing on juvenile adjustment and preventive measures.

**CCJ 2940C CRIMINOLOGY JUSTICE INTERN PROGRAM (AA)**

4 credits (1 lecture hour, 9 lab hours)

Prerequisite: Sophomore students or others, determined by the instructor, based on course work or experience. Examines the functions and operations of local criminal justice agencies. Placements are available with police, courts and correctional agencies. Participants will be assigned, supervised and evaluated by the instructor and agency personnel.

**CDO 0100 TRACTOR TRAILER DRIVER TRAINING (CDL A)(PSAV)**

160 clock hours

The purpose of this course is to educate and prepare an individual, who has no previous tractor-trailer driving experience, for entry-level employment within the truck driving/transportation industry. Completion of this program will enable the student to obtain a Florida Commercial Driver's License A/B.

**CDO 0200 TRUCK AND BUS DRIVER TRAINING (CDL B) (PSAV)**

120 clock hours

The purpose of this course is to prepare students for a Florida Commercial Driver's License (CDL) for Class B. (Vehicle description-any single vehicle with a gross vehicle weight rating (GVWR) of 26,001 pounds or more or any such vehicle towing a vehicle with a GVWR of 10,000 pounds or less). This course is 120 hours in length. The course will cover driving safely, transporting cargo and/or passengers, air brakes and hazardous materials.

**CEN 2503 LOCAL AREA NETWORKS (AS)**

3 credits (3 lecture hours)

Prerequisite: CEN 2522

This course is designed to provide the basics of managing a network operating system. Fundamental LAN concepts and strategies are explored.

**CEN 2504 WIDE AREA NETWORKS (AS)**

3 credits (3 lecture hours)

Prerequisite: CEN 2522

This course enhances network management skills of network administrators. Telecommunications services and concepts are examined to include duplexing, tariffs, carriers, and analog networks.

**CEN 2507 TCP/IP AND NETWORK ADMINISTRATION (AS)**

3 credits (3 lecture hours)

Prerequisite: CEN 2522

This course covers the tasks and develops skills necessary to create a solid strategy and design implementation and installation of local and wide area networks. Integration of popular network protocols is studied.

**CEN 2522 NETWORK TECHNOLOGIES (AS)**

3 credits (3 lecture hours)

Prerequisites: CGS 1565

This course includes the basic concepts of networking including transmission media, the OSI model, protocols and relationships between the parts of the network.

**CEN 2524 NETWORK SERVICE AND SUPPORT (AS)**

3 credits (3 lecture hours)

Prerequisite: CEN 2522

This course provides the skills to prevent, diagnose and resolve hardware-related problems in a network operating system.

**CET 1123C MICROPROCESSORS (AS)**

4 credits (3 lecture hours, 2 lab hours)

Prerequisite: CET 2112C or instructor permission required. Explores how microprocessor chips can be linked with appropriate peripheral ICs to accomplish logic functions from simple AND, OR, logic to the complexities of the general-purpose digital computer. Emphasis is on the use of the microprocessor as a controller, rather than as a data processor. Topics include: microprocessor chip, bussing, memory, programming, interfacing, A/D and D/A logic, conversion and device communications. The 8080 microprocessor is used. Trainers are provided in the lab. Students get hands-on experience programming and interfacing to actual equipment.

**CET 2112C LOGIC CIRCUITS (AS)**

4 credits (3 lecture hours, 2 lab hours)

This course is a study of digital devices and systems included in SSI and MSI technology. Topics include number system; binary arithmetic; Boolean algebra and theorems; Karnaugh maps and other reduction techniques; basic AND, OR, NOT, NAND and NOR gates; FFs; counters; registers; arithmetic circuits; and multiplexors. In the lab, students construct logic blocks and small logic systems from the basic chips and test actual circuits against theory.

**CGS 0000 MICROCOMPUTER FUNDAMENTALS (PSAV)**

45 clock hours

The purpose of this course is to enhance the student's skills in electronic office procedures and office software programs. This course will introduce students to computer hardware and equipment. Email, Internet and computer ethics will be covered.

**CGS 0101 SOFTWARE APPLICATIONS II (PSAV)**

200 clock hours

This course covers the advanced features of software applications in the areas of word processing, databases, accounting, spreadsheets, desktop publishing and presentations. The course prepares students to test for expert level mouse certification in Word97, Excel97, Access97 and PowerPoint97. Internet software, protocols, diagnosing internet user problems and Web page production are presented. Topics will also include selection of the appropriate software for the task and installing and configuring software packages.

**CGS 0260 HARDWARE/NETWARE CONCEPTS I**

100 clock hours

This course is an introduction to computer hardware and networking concepts. The operation and maintenance of hardware components as well as installing and customizing operating systems and interpreting error messages are covered. Networking applications and topologies are introduced.

**CGS 0263 HARDARE/NETWARE CONCEPTS II**

100 clock hours

This course covers network components, network standards and protocols and the responsibilities of a network administrator. Installing and replacing computer hardware components and diagnosing error messages will also be covered.

**CGS 1060 PC STARTER (AS)**

1 credit (1 lecture hour)

Introduces the computer novice to the personal computer (PC), designed to familiarize students with the keyboard, disks, printers, Windows and the major application software packages. A number of practical problems are solved during hands-on laboratory sessions.

**CGS 1510 ELECTRONIC SPREADSHEET I (AS)**

1 credit (1 lecture hour)

Prerequisite: CGS 1570 or OST 1831

Introductory course using a popular spreadsheet program covering the basics of spreadsheet design, development of spreadsheets and reviews suggested applications.

**CGS 1511 ELECTRONIC SPREADSHEET II (AS)**

1 credit (1 lecture hour)

Prerequisite: CGS 1570 or CGS 1510

This is the second course in the use of a popular spreadsheet program. This course expands on the concepts developed in the first course, CGS 1510.

**CGS 1512 ELECTRONIC SPREADSHEET III (AS)**

1 credit (1 lecture hour)

Prerequisite: CGS 1511

This is the third course in the spreadsheet sequence. In this course, the student learns to customize and automate spreadsheet applications.

**CGS 1513 ELECTRONIC SPREADSHEETS (AS)**

3 credits (3 lecture hours)

Prerequisite: CGS 1570 or OST 1831

Hands-on training with a popular electronic spreadsheet including entering text, numbers and formulas, retrieving, saving and erasing files, manipulating column widths and text alignment, absolute and relative addressing, insert and delete rows/columns, database functions and macros; same as CGS 1510/1511/1512.

**CGS 1540 BEGINNING DATABASE CONCEPTS (AS)**

1 credit (1 lecture hour)

Prerequisite: CGS 1570 or OST 1831

This is the first course in a three-course sequence. Students are introduced to data base concepts and capabilities. Simple database files are created and indexed; reports and forms are produced.

**CGS 1541 INTERMEDIATE DATABASE CONCEPTS (AS)**

1 credit (1 lecture hour)

Prerequisite: CGS 1540 or CGS 1570

This is the second course in a three-course sequence. Modular design, structural integrity and detailed reports and forms are created.

**CGS 1543 DATABASE MANAGEMENT (AS)**

3 credits (3 lecture hours)

Prerequisite: CGS 1570 or OST 1831

This course provides hands-on training in the use of a popular database program. Students will learn introductory through advanced database concepts.

**CGS 1560 INTRODUCTION TO USING LAN OPERATING SYSTEM (AS)**

1 credit (1 lecture hour)

Prerequisite: CGS 1060 or CGS 1570

This course is an introduction to the use of a specific computer operating system. It is not a course on the theory of operating systems. Any one of a number of operating systems may be studied, either single or multi-user. The hardware platform used may be a microcomputer, a minicomputer, a mainframe or a network of computer systems. Topics include: the establishment and management of system security and system access; the customization of the system environment; the optimization of system performance; the installation and the use of system peripherals; the management of file storage system; execution of the system editor; creation of system commands with the system control language; and the installation and use of applications.

**CGS 1561 INSIDE THE PC (AS)**

1 credit (1 lecture hour)

Designed for a non-technical approach to initially installing a personal computer and how to keep the system running efficiently throughout its life-cycle including maintaining the system, diagnosing common hardware problems, installing new software packages and upgrading the hardware.

**CGS 1565 MICROCOMPUTER OPERATING SYSTEMS (AS)**

3 credits (3 lecture hours)

Prerequisite: CGS 1570 or OST 1831

This course introduces the student to a variety of operating system platforms used in a microcomputer environment.

**CGS 1570 MICROCOMPUTER APPLICATIONS (AA)**

3 credits (3 lecture hours)

This course will enable students to utilize common microcomputer hardware and software typically used in the workplace. Practical hands-on assignments in the areas of word processing, spreadsheet, database, presentation graphics, telecommunications and multimedia, as they apply to the workplace, will be explored in the course.

**CGS 2525 MULTIMEDIA PRESENTATIONS (AS)**

3 credits (3 lecture hours)

Prerequisite: CGS 1570

This course will introduce the student to the use of multimedia in art, business, education, music and other areas. Multimedia objects

will be created to include: graphics, audio, music, video and text. Presentations and tutorials will be created using a multimedia presentation/authorizing system that will link multimedia objects to include graphics, audio, music, video and text.

**CGS 2542 ADVANCED DATABASE CONCEPTS (AS)**

1 credit (1 lecture hour)

Prerequisite: CGS 1541

This is the third course in a sequence. The emphasis is on structured design programming. Custom input screens are designed. Multiple files are linked and operated on.

**CGS 2555 INTRODUCTION TO THE INTERNET (AA)**

3 credits (3 lecture hours)

Prerequisite: CGS 1570

This course will prepare the student to work and study in contemporary society by developing skills in the electronic communications. Students will learn how to get connected to the Internet, perform research via the Internet and create a personal Web page.

**CHD 1110 INFANTS/TODDLERS (AS)**

3 credits (3 lecture hours)

Prepares the student for group care in center-based settings, for family-based day care or for home care of children.

**CHD 1220 CHILD DEVELOPMENT, INFANCY/PRESCHOOL (AS)**

3 credits (3 lecture hours)

Explores parenting in relation to fulfilling children's needs, child development and growth of the infant and preschool child; and covers emotional, intellectual, physical and social development; stages of childhood; communication process between adult and child; guidance approaches; health and safety; family structures; issues affecting the child and family; and community resources which provide parent education, family and children services and other related resources.

**CHD 2800 CHILD-CARE FACILITY MANAGEMENT (AS)**

3 credits (3 lecture hours)

All aspects of opening and operating a child-care facility will be explored. Guidelines will be set up for organizing child-care services; business management; personnel concerns; establishment and communication of policies; safety, nutrition and health and curriculum and equipment.

**CHM 1015 PRINCIPLES OF CHEMISTRY (AA)**

3 credits (3 lecture hours)

This course provides an introduction to principles of chemistry for students not needing an intensive course. It covers important concepts of general chemistry and progresses through elementary organic chemistry into certain areas of biochemistry. It includes chemistry relevant to health and the numerous chemical products in use today. A grade of C or higher is required for this course to be used as a General Education course. Special equipment required.

**CHM 1015L PRINCIPLES OF CHEMISTRY LABORATORY (AA)**

1 credit (2 lab hours)

Prerequisite or corequisite: CHM 1015

This course is a study of metric measurements, physical and chemical properties, elements and compounds and laboratory techniques and skills. Special fee required. A grade of C or higher is required for this course to be used as a General Education course. Special equipment required.

**CHM 1040 GENERAL CHEMISTRY I (AA)**

3 credits (3 lecture hours)

Prerequisite: MAT 1033

This is the first course of a three-course sequence. An introduction to the elementary principles of modern chemistry emphasizing structure and properties of matter, stoichiometry, nomenclature, and bonding is provided. (May be exempted by passing a waiver examination.) A grade of C or higher is required for this course to be used as a General Education course. Special equipment required.

**CHM 1041 GENERAL CHEMISTRY II (AA)**

3 credits (3 lecture hours)

Prerequisite: CHM 1040 or acceptable score on waiver examination and MAC 1105

This is the second course of a three-course sequence. The topics emphasized include acids and bases, gases, states of matter, solutions, thermodynamics and nuclear chemistry. A grade of C or higher is required for this course to be used as a General Education course. Special equipment required.

**CHM 1041L GENERAL CHEMISTRY II LABORATORY (AA)**

1 credit (3 lab hours)

Corequisite: CHM 1041

An introduction to the experimental techniques and laboratory safety designed to demonstrate and complement the lectures in CHM 1040 and CHM 1041. Special fee required. Not offered at Belle Glade. A grade of C or higher is required for this course to be used as a General Education course. Special equipment required.

**CHM 2046 GENERAL CHEMISTRY III (AA)**

3 credits (3 lecture hours)

Prerequisites: CHM 1041 and MAC 1105

This is the third course of a three-course sequence. The topics emphasized include kinetics, equilibrium, ionic equilibria of acids, bases and salts and electrochemistry. Not offered at Belle Glade. A grade of C or higher is required for this course to be used as a General Education course. Special equipment required.

**CHM 2046L GENERAL CHEMISTRY III LABORATORY (AA)**

1 credit (3 lab hours)

Prerequisite: CHM 1041L; Corequisite: CHM 2046

This course is a continuation of CHM 1041L consisting of laboratory experiments and activities to complement the lecture topics in CHM 2046. Special fee required. Not offered at Belle Glade. A grade of C or higher is required for this course to be used as a General Education course. Special equipment required.

**CHM 2210 ORGANIC CHEMISTRY I (AA)**

3 credits (3 lecture hours)

Prerequisites: CHM 1041, 1041L; Corequisite: CHM 2210L

First of a two-semester sequence covering fundamental concepts, nomenclature, synthesis and reactions of classes of organic compounds, with emphasis on molecular structure and reaction mechanisms. Not offered at Belle Glade. Special equipment required.

**CHM 2210L ORGANIC CHEMISTRY I LABORATORY (AA)**

1 credit (4 lab hours)

Prerequisites: CHM 1041 and CHM 1041L; Corequisite: CHM 2210

Laboratory portion of Organic Chemistry I. Introduction of organic laboratory principles and techniques: vacuum filtration; recrystallization; extraction; distillation; and chromatography. Boca Raton and Lake Worth only. Special fee required.

**CHM 2211 ORGANIC CHEMISTRY II (AA)**

3 credits (3 lecture hours)

Prerequisite: CHM 2210; Corequisite: CHM 2211L

Continuation of CHM 2210. The study of NMR aromatic compounds and other compounds containing oxygen and nitrogen. Not offered at Belle Glade. Special equipment required.

**CHM 2211L ORGANIC CHEMISTRY II LABORATORY (AA)**

1 credit (4 lab hours)

Prerequisites: CHM 2210 and 2210L; Corequisite: CHM 2211

This course is a continuation of CHM 2210L with more complex synthesis and introduction to IR and gas chromatography. Special fee required. Boca Raton and Lake Worth only.

**CIS 2321 SYSTEMS AND APPLICATIONS (AS)**

3 credits (3 lecture hours)

Prerequisite: CGS 1570

Utilizes system analysis techniques for the solution of business and information systems problems. A team approach is stressed throughout the course of study. Major topics include methods of system investigation, input/output design, system documentation, communication, system implementation, security, hardware selection and software selection. A case-study approach is utilized.

**CJD 0500 CORRECTIONS AUXILIARY PREREQUISITE (PSAV)**

96 clock hours

This program provides job-related training to those students seeking employment as Correctional Auxiliary Officers. The content of this course includes knowledge of codes of ethics, history and evolution of laws, introduction to the criminal justice system, corrections rules, rights and responsibilities, basic law and legal procedures, medical first responder training and human relations skills.

**CJD 0520 PUBLIC SAFETY TELECOMMUNICATOR (DISPATCHER) (PSAV)**

208 clock hours

This course is designed to prepare students for employment as a dispatcher for a fire, police, emergency medical service or rescue agency. This work includes dispatching fire, law enforcement and emergency medical services agencies. Certification as a telecommunicator will be available.

**CJD 0704 CRIMINAL JUSTICE DEFENSIVE TACTICS (PSAV)**

66 clock hours

Basic course in unarmed defense tactics to teach law enforcement officers how to protect themselves against armed and unarmed attackers, how to subdue and control them from point of contact to incarceration. Also included are transport methods, search techniques and custody responsibilities.

**CJD 0705 CRIMINAL JUSTICE WEAPONS (PSAV)**

57 clock hours

The effective use of the two basic weapons of a law enforcement agency in a safe effective manner is provided. Students are exposed to elementary chemical weapon use.

**CJD 0715 PHYSICAL TRAINING (PSAV)**

90 clock hours

This course introduces the student to the concept of fitness for living. Each student shall have the opportunity to evaluate one's self and engage in a planned program for fitness.

**CJD 0723 CRIMINAL JUSTICE VEHICLE OPERATIONS (PSAV)**

48 clock hours

Vehicle operations course covering how to maneuver vehicles in a safe and effective manner with emphasis on the driver, the vehicle, the driving environment, vehicle "pullovers," felony stops and basic operational skills and a driving pad.

**CJD 0732 LAW ENFORCEMENT TRAFFIC (PSAV)**

47 clock hours

Basic traffic-accident investigation with emphasis on traffic enforcement concept and techniques, control and direction, accident-scene management, skid-mark evidence and reporting procedures including information on organ/tissue donation and common alcohol violations and sobriety testing.

**CJD 0741 EMERGENCY PREPAREDNESS (PSAV)**

24 clock hours

Skills needed for riot and disturbance control and firefighting are studied and practiced. Includes methods of riot prevention, handling of unusual situations, hostage and emergency procedures.

**CJD 1254L MEDICAL FIRST RESPONDER (AS)**

1 credit (3 lab hours)

How to respond to a medical emergency and stabilize injuries until other medical help arrives. Includes how to respond to communicable diseases.

**CJD 1700 CRIMINAL JUSTICE LEGAL I (AS)**

3 credits (3 lecture hours)

An overview of the criminal justice system and history of law is presented. The foundation and basic components of law are studied, focusing on officer application. Court procedures and testimony are examined.

**CJD 1701 CRIMINAL JUSTICE LEGAL II (AS)**

3 credits (3 lecture hours)

Constitutional law and its application to the public and correctional officers are examined including evidence procedures, arrest laws, search and seizure and statutory laws common to police and correctional officers. Emphasis is on elements of crimes, civil law applications and civil and criminal liability of officers.

**CJD 1702 CRIMINAL JUSTICE COMMUNICATIONS-CORRECTIONS (AS)**

3 credits (3 lecture hours)

The report-writing process from interview, statement taking and note taking through the final report writing is covered with practical expository exercises. Interpersonal communications skills are covered along with radio and telephone procedures.

**CJD 1703C INTERPERSONAL SKILLS I-CORRECTIONS (AS)**

3 credits (2 lecture hours, 2 lab hours)

Human relations techniques and courtesy are addressed with emphasis on crime prevention. The needs of various groups within society are addressed including juveniles, the elderly, the physically handicapped, ethnic and cultural groups, the mentally ill, the developmentally delayed and substance abusers. Intervention techniques for situations including suicide, violence and other crises are studied. Stress management is included.

**CJD 1713C INTERPERSONAL SKILLS I-LAW ENFORCEMENT (AS)**

3 credits (2 lecture hours, 2 lab hours)

Human relations, techniques, and courtesy with emphasis on crime

prevention are covered. The needs of groups within society are addressed including juveniles, the elderly, the physically handicapped, ethnic and cultural groups, the mentally ill, the developmentally delayed and substance abusers. Intervention techniques are studied including suicide, violence and other crises. Stress management is included.

**CJD 1720 LAW ENFORCEMENT LEGAL III (AS)**

2 credits (2 lecture hours)

This course of study explores the legal mechanics of law enforcement to include line-up and show-up, the law providing for stopping and frisking of citizens, juvenile laws, alcohol and tobacco statutes, crimes against public safety, personal and property rights, weapons and dangerous devices, traffic and licensing law and other legal considerations affecting patrol.

**CJD 1721C LAW ENFORCEMENT PATROL (AS)**

3 credits (2 lecture hours, 3 lab hours)

Skills and techniques needed by officers to perform patrol tactics and respond to various types of calls. Methods approach to high-risk situations is explored with practical exercises.

**CJD 1724C LAW ENFORCEMENT INVESTIGATIONS (AS)**

3 credits (2 lecture hours, 2 lab hours)

Investigation of crimes, including property crimes, narcotics offenses, vice, organized crime, terrorist activity, bombing incidents and death investigations from initial observation methods through processing crime scenes and case preparation.

**CJD 1740 INTRPERSONAL SKILLS II-CORRECTIONS (AS)**

3 credits (3 lecture hours)

Interpersonal skills needed by corrections officers to understand the incarcerated society are explored, with emphasis upon supervisory methods. Inmate adjustments and segments of society are studied. Includes studies of homosexuality, female inmates, deception and manipulation by inmates and institutional criminalities.

**CJD 1742 CORRECTIONS OPERATIONS (AS)**

3 credits (3 lecture hours)

The operation of correctional facilities including intake of new inmates, aspects of daily care and institutional procedures are emphasized.

**CJT 1771 CORRECTIONS LEGAL II (AS)**

1 credit (1 lecture hour)

Constitutional law and its application to the public and correctional officers are examined including evidence procedures, arrest laws, search and seizure and statutory laws common to police and correctional officers. Emphasis is elements of crimes, civil law applications and civil and criminal liability of officers.

**CJT 2100 CRIMINAL INVESTIGATION (AS)**

3 credits (3 lecture hours)

This course is a survey of methods and techniques used by law enforcement officers in the investigation of crime. It emphasizes interrogation techniques, evidence, how to mark, preservation after discovery, fingerprints, tool marks, firearms identification, homicide, burglary, robbery and other crime-scene investigations, narcotics investigation, laboratory analysis of evidence, courtroom techniques and demeanor.

**CJT 2140 INTRODUCTION TO CRIMINALISTICS (AS)**

3 credits (3 lecture hours)

Prerequisite or corequisite: CJT 2100 or CCJ 2230

Introduces the capabilities of the crime laboratory. Selected labora-

tory experiments, scientific analysis, comparison procedures and identification processes of physical evidence such as tool markings, blood, hairs, fibers, drugs, chemicals, photographs, firearms and ballistic examinations will be accomplished.

**CLP 2002 PERSONALITY DEVELOPMENT AND ADJUSTMENT (AA)**

3 credits (3 lecture hours)

Prerequisite: PSY 2012

This course is a summary of the major personality theories. The course emphasizes an exposure to and analysis of the theories that explain personality and the effect of personality and individual and group behavior.

**COP 1002 STRUCTURED PROGRAMMING (AA)**

3 credits (3 lecture hours)

Prerequisite or corequisite: CGS 1570

Concepts of structured programming emphasizing use of control graphs, basic structures, logic structures using pseudocode and functional structure charts stressing program segmentation and top-down walk-through.

**COP 1165C PROGRAMMING RPG 400 (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: COP 1002

RPG 400 (Report Program Generator) is a problem-oriented programming language to obtain data from single or multiple rules, perform calculations and table lookup and write reports and/or update files. Students will solve elementary to moderately complex business problems.

**COP 1220 INTRODUCTION TO PROGRAMMING IN C (AA)**

3 credits (3 lecture hours)

Prerequisites: COP 1002 and one other programming language Introduction to the C language emphasizing use of structured design, problem design, algorithm design, coding, debugging, testing and documentation stressing program segmentation through utility development and top-down design.

**COP 1332 VISUAL BASIC PROGRAMMING (AA)**

3 credits (3 lecture hours)

Prerequisite: COP 1002

Visual BASIC is an introduction to problem solving and programming with an object-oriented, event-driven, high level programming language. The student should be able to read, understand and create Visual BASIC computer programs using modular programming techniques.

**COP 2120C PROGRAMMING COBOL (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: COP 1002

COBOL (Common Business Oriented Language) is the programming language specifically designed to solve business problems. Emphasis is on programming skills, efficiency in structured programming. Students are required to write and execute programs for comprehensive business case studies.

**COP 2121C COBOL APPLICATIONS (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: COP 2120

A course designed to familiarize the student with the advanced capabilities of COBOL. Students will solve selected practical business applications using structured programming techniques. Emphasis is on file handling, tables, sorting, validation, and subroutines.

**COP 2334 PROGRAMMING IN C++ (AA)**

3 credits (3 lecture hours)

Prerequisite: COP 1220

An intermediate level programming course assumes knowledge of how to program in C. Emphasizes class data types, C++ functions, overloading, class inheritance, C++ I/O streams, object-oriented program design and program reusability.

**COP 2341 UNIX OPERATING SYSTEM (AA)**

3 credits (3 lecture hours)

Prerequisite: CGS 1570

This course is an introduction to the UNIX operating system. Topics include the use of the shell scripts, electronic mail, utilities, and editors and use of UNIX in the business/scientific programming environment.

**COP 2800 PROGRAMMING IN JAVA (AA)**

3 credits (3 lecture hours)

Prerequisite: COP 1220 or COP 2334

This course introduces the student to Java programming with a focus on object-oriented programming. Students will write Java Script. In addition, full Java applications will be written which can be used independent of HTML pages and independent of the Internet.

**COP 2802 PROGRAMMING IN JAVA SCRIPT (AA)**

2 credits (2 lecture hours)

Prerequisites: COP 1220 and COP 2822

This course is one of the major courses in preparation of a student to become certified as an Internet Webmaster or to receive an AA or an AS degree in Computer Networking. Topics will include the Java Script extensions to HTML, Java Script functions and objects and how Java Script can be used with Java applets to enhance Web pages. Further, the Java student will learn how to use Java Script to create and manage Internet Web pages so that many CGI server side requests may be processed at the client site.

**COP 2822 WEB PAGE DESIGN (AA)**

1 credit (1 lecture hour)

Prerequisite: CGS 2555. Knowledge of a graphical user interface program is desirable.

This course will introduce the student to Hypertext Markup Language, which is used on the Internet to create home pages on the World Wide Web.

**COS 0200 COSMETOLOGY 1- INTRODUCTION (PSAV)**

120 clock hours

This course is designed to provide instruction in school, classroom/laboratory safety rules and procedures. It also provides an opportunity to learn competencies in hair shampooing and scalp treatments.

**COS 0301 COSMETOLOGY 2 - HAIRCUT (PSAV)**

120 clock hours

This course is designed to provide instruction in school, classroom/laboratory safety rules and procedures. It also provides an opportunity to learn competencies in hair shaping and instruction in the selection of proper hair cutting, implements and proper style selection.

**COS 0400 COSMETOLOGY 3 - STYLING (PSAV)**

120 clock hours

This course is designed to provide instruction in school, classroom/laboratory safety rules and procedures. It gives the student an opportunity to develop competencies in hairstyling.

**COS 0450 COSMETOLOGY 4 - SALON MANAGEMENT (PSAV)**

120 clock hours

This course is designed to provide instruction in school, classroom/laboratory safety rules and procedures. It gives the student an opportunity to develop competencies in preparation and principles of design and fitting of wigs and hairpieces.

**COS 0600 COSMETOLOGY 5 - CHEMICALS (PSAV)**

120 clock hours

This course is designed to provide instruction in school, classroom/laboratory safety rules, and procedures. This course is designed to provide competencies in permanent waving, reconstruction, curl/chemical relaxing. Instruction in analyzing the hair, selection of approximate solutions and implements are also provided.

**COS 0700 COSMETOLOGY 6 - COLOR (PSAV)**

120 clock hours

This course is designed to provide instruction in school, classroom/laboratory safety rules and procedures. The student will also have an opportunity to develop competencies in all types of hair coloring and bleaching. This instruction includes analysis of hair and scalp, performance of predisposition test, selection of correct supplies and equipment.

**CPO 2002 COMPARATIVE GOVERNMENTS (AA)**

3 credits (3 lecture hours)

Introduces the student to a comparative model for understanding diverse governmental institutions and political systems throughout the world. This includes a close look at numerous other governments, including a study of each nation's history, culture, constitution, governmental institutions, political process and domestic and foreign policies. Governments will be selected from different continents and from different political traditions, such as Great Britain, Germany, Russia, China, Japan, Brazil, South Africa and Iran. If possible, a voluntary field trip to EPCOT's World Showcase or international consulates in Miami may be planned. Requires a grade of C or higher to receive AA degree credit.

**CRW 2000 CREATIVE WRITING (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121

This course involves study of theory and practice in poetry and fiction, including collateral readings and extensive workshopping of students' own creative works. The class will critique students' works and considerable writing and rewriting required. Students prepare a final portfolio and learn how to submit works for publication.

**CRW 2100 INTRODUCTION TO FICTION WRITING (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121

The course provides intensive study of the process of writing short fiction, including discussion of professional models to improve understanding of elements and techniques. A substantial portion of the course will be devoted to workshopping and critiquing student writing. Students submit a final portfolio and research the market for publication.

**CRW 2200 SCREENWRITING (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121

This course provides intensive study of the process of writing for the screen. It includes discussing the work of professional screenwriters

to learn elements of the writing process. A substantial portion of the course will be devoted to the discussion of student writing in a workshop setting.

**CSP 0010 MANICURING, PEDICURING, AND NAIL EXTENSIONS (PSAV)**

120 clock hours

This course is designed to provide instruction in safety rules and procedures, school, classroom and laboratory procedures. It provides competencies in manicuring and pedicuring.

**CSP 0011 SALON PRACTICE LAB II (PSAV)**

120 clock hours

This course is designed to provide instruction in safety rules and procedures, school, classroom and laboratory procedures. It provides competencies in manicuring and nail extensions.

**CSP 0240 FACIALS (PSAV)**

120 clock hours

This course is designed to provide instruction in safety rules and procedures, school, classroom/laboratory procedures. It provides competencies in facials and massage.

**CSP 0300 SALON PRACTICE LAB 1 (PSAV)**

120 clock hours

This course is designed to provide competencies in facial make-up, hair removal, artificial lash application and instruction in the selection of proper supplies and implements to perform this service.

**DAA 1050C FUNDAMENTALS OF RHYTHMICS (AA)**

2 credits (1 lecture hour, 2 lab hours)

The basics of folk dance, square dance, and singing games are covered.

**DAA 1100 MODERN DANCE I (AA)**

1 credit (3 lab hours)

This course is designed to give the student a knowledge of the fundamental skills of modern jazz techniques and various current styles.

**DAA 1101 MODERN DANCE II (AA)**

1 credit (3 lab hours)

This course is designed to give the student a knowledge of the fundamental skills of modern jazz techniques and various current styles.

**DAA 1200 BASIC BALLET I (AA)**

2 credits (3 lab hours)

Consists of basic positions and fundamental barre exercises and the use of ballet vocabulary (French terms) stressing correct alignment and applying simple step combinations in center work.

**DAA 1201 BASIC BALLET II (AA)**

2 credits (3 lab hours)

Prerequisite: DAA 1200 or instructor permission required  
This course is a continuation of DAA 1200.

**DAA 1202 INTERMEDIATE BALLET I (AA)**

3 credits (5 lab hours)

Prerequisite: DAA 1201

This course emphasizes development of strength and form for quickness of body-mind coordination. Most ballet steps are introduced. Applications of phrasing and quality of movement are stressed. Admission is by audition.

**DAA 1203 INTERMEDIATE BALLET II (AA)**3 credits (5 lab hours)  
Prerequisite: DAA 1202.

This course is a continuation of DAA 1202.

**DAA 1220 INTERMEDIATE POINTE I (AA)**1 credit (3 lab hours)  
Corequisite: DAA 1202

This course is an introduction to fundamentals and exercises for the development of pointe technique. Class practical work, with outside projects, is required. Admission by audition.

**DAA 1221 INTERMEDIATE POINTE II (AA)**1 credit (3 lab hours)  
Prerequisite: DAA 1220; Corequisite: DAA 1203

This course is a continuation of DAA 1220.

**DAA 1501 BASIC JAZZ (AA)**

2 credits (3 lab hours)

This course is designed to give the student introductory knowledge of the fundamental skills of jazz techniques and various current styles.

**DAA 1502 INTERMEDIATE JAZZ I (AA)**

2 credits (3 lab hours)

Emphasis is on stylized percussive movement on a strong rhythmic base. A short dance sequence encompassing these skills is required. Admission is by audition.

**DAA 1520 BASIC TAP I (AA)**

2 credits (6 lab hours)

This course is designed to give the student knowledge of the fundamental skills of tap dance techniques and various current styles.

**DAA 1521 BASIC TAP II (AA)**

2 credits (6 lab hours)

This course is designed to continue the knowledge of the fundamental skills of tap dance techniques and various current styles started in DAA 1520.

**DAA 2100 CONTEMPORARY DANCE I (AA)**

1 credit (2 lab hours)

Theory and practice of basic body conditioning exercises, fundamentals of movement and relationship to rhythm, design and dynamics.

**DAA 2101 CONTEMPORARY DANCE II (AA)**

1 credit (2 lab hours)

Further opportunity to pursue study and application of rhythmic movement through combining acquired skills and knowledge.

**DAA 2204 ADVANCED BALLET I (AA)**

3 credits (5 lab hours)

Perfected the execution of classical ballet technique with emphasis on performing projection and audience communication. Stress is on aesthetic quality of movement and phrasing. Admission is by audition and permission of the instructor.

**DAN 1600 MUSIC FOR DANCE (AA)**

3 credits (3 lecture hours)

This course provides a connection of musical, structure and body movement through improvisational dance composition exercises. The basic elements of rhythm, tempo and meter will be studied. This course is intended for undergraduate dance majors and minors.

**DEA 0130 RELATED DENTAL THEORY (PSAV)**

32 clock hours

This course is designed to acquaint the dental auxiliary with various related topics having application in the field of dentistry. One topic discussed is microbiology, stressing pathogenic microorganisms. Oral pathology, both benign and malignant neoplasms, is explored. A familiarization of common drugs and medicaments, their toxicity and effects is also included. A knowledge of nutrition, with emphasis on the relationship to oral health, is presented. Finally, the body systems, their functions and related diseases are identified in the format of student presentations. Lake Worth only.

**DEA 0153 DENTAL PSYCHOLOGY AND COMMUNICATION (PSAV)**

32 clock hours

This course is divided into two subject areas. The first subject area explores the study of the psychological factors that affect the dental patient's behavior, techniques to overcome fears and anxieties concerning dentistry and team building in the dental practice. The second subject area provides opportunities with oral and written communications. Lake Worth only.

**DEA 0800 CLINICAL PRACTICE I (PSAV)**

32 clock hours

This course is designed to continue the instruction in the fundamentals of clinical dental assisting. Included will be the working knowledge of all dental equipment, instruments, manipulation of dental materials, patient management and the application of four-handed dentistry in a clinical setting. Lake Worth only.

**DEA 0800L CLINICAL PRACTICE I LAB (PSAV)**

64 clock hours

This course will provide clinical application of the principles taught in DEA 0800 Clinical Practice I. In addition, the student has responsibilities in areas of radiology, sterilization, receptionist and clinical and office observations. Special fee required. Lake Worth only.

**DEA 0801 CLINICAL PRACTICE II (PSAV)**

32 clock hours

This course is a continuation of DEA 0800 and DEA 0800L Clinical Practice I. It will provide the dental assisting student a synopsis of the different dental specialties. This will include a more in-depth analysis of the theoretical and clinical application that makes each specialty unique. Lake Worth only.

**DEA 0801L CLINICAL PRACTICE II LAB (PSAV)**

192 clock hours

This course is a continuation of DEA 0800L Clinical Practice I Lab. It will provide clinical application of the principles taught in DEA 0801 Clinical Practice II. Special fee required. Lake Worth only.

**DEA 0850 DENTAL ASSISTING CLINICAL PRACTICE III (PSAV)**

18 clock hours

In the didactic portion of this course, a detailed overview of the key designated subject areas represented on the Dental Assisting National Board will be studied. A seminar will be scheduled to discuss the students' experiences in their externship and with their community service projects. Lake Worth only.

**DEA 0850L DENTAL ASSISTING CLINICAL PRACTICE III LAB (PSAV)**

72 clock hours

The clinical portion of this course will enable the dental assisting student to utilize all skills and competencies developed and to increase the student's capabilities and proficiencies during a supervised externship. Lake Worth only. Special fee required.

**DEA 0940L DENTAL PRACTICUM LAB (PSAV)**

24 clock hours

The objective of this course is to provide clinical experience in patient preparation for oral diagnosis. Students will have assigned responsibilities in the areas of patient recognition, charting, study models and radiology. The student will receive experience to interact effectively with the dentist and the patient. Special fee required. Lake Worth only.

**DEH 1003 DENTAL HYGIENE INSTRUMENTATION (AS)**

1 credit (1 lecture hour)

Prerequisites: DES 1800, DES 1800L; Corequisite: DEH 1003L A competency-based course introducing the student dental hygienist to the theory and techniques of instrumentation that will be applied in a lab/clinical setting. Completion of the course competencies at minimum standard will allow the student to progress to Dental Hygiene I. Lake Worth only.

**DEH 1003L DENTAL HYGIENE INSTRUMENTATION LAB (AS)**

2 credits (6 lab hours)

Prerequisites: DES 1800, DES 1800L; Corequisite: DEH 1003 A competency-based course introducing the student dental hygienist to the applications and techniques of instrumentation in a lab/clinical setting. Completion of course competencies at minimum standard will allow the student to progress to Dental Hygiene I. Lake Worth only.

**DEH 1130 ORAL EMBRYOLOGY AND HISTOLOGY (AS)**

1 credit (1 lecture hour)

Prerequisite: DES 1020

A comprehensive study of the embryonic, fetal and postnatal development of the tissues and structures of the head and oral cavity and their relationship to the field of dentistry. Lake Worth only.

**DEH 1800CA DENTAL HYGIENE I (AS)**

5 credits (1 lecture hour, 12 lab hours)

Prerequisites: DEH 1003, DEH 1003L; Corequisites: DEH 2300, DES 1840

Basic theory, assessment techniques and dental hygiene principles will be introduced and applied through practical experiences in the clinical setting. Dental hygiene care to the public is initiated through the delivery of preventive and therapeutic services. Students will be required to complete a specific number of dental prophylaxis in the clinic. Lake Worth only.

**DEH 1802C DENTAL HYGIENE II (AS)**

2 credits (1 lecture hour, 3 lab hours)

Prerequisites: DEH 1800C, DEH 2300, DES 1830C, HUN 1201

This course is a continuation of Dental Hygiene I. The application of nutritional analysis will be introduced with the major emphasis on the application of dietary counseling in patient care management. Lake Worth only.

**DEH 1811 DENTAL ETHICS AND JURISPRUDENCE (AS)**

1 credit (1 lecture hour)

Corequisite: DEH 2806C

Emphasis will be on discussion of current legal and ethical issues in dental hygiene practice. Topics will include professional ethics, dental law, risk management and standards of care. The Dental Practice

Act and the rules as it governs the dental hygiene profession will be reviewed. Lake Worth only.

**DEH 2300 PHARMACOLOGY (AS)**

2 credits (2 lecture hours)

Prerequisites: BSC 1085/1085L, BSC 1086/1086L, MCB 2010/2010L, CHM 1015

A comprehensive study of pharmacology as it relates to the field of dentistry and dental hygiene.

**DEH 2400 GENERAL AND ORAL PATHOLOGY (AS)**

2 credits (2 lecture hours)

Prerequisites: BSC 1085, BSC 1085L, BSC 1086, BSC 1086L, DES 1020, DEH 1130, MCB 2010, MCB 2010L

A comprehensive study of oral abnormalities and disease processes with emphasis on clinical identification. Lake Worth only.

**DEH 2603 PERIODONTOLOGY (AS)**

2 credits (2 lecture hours)

Prerequisites: DEH 1800C, DEH 1802C; Corequisite: DEH 2804C

This course is a study of the etiology, classification and treatment of periodontal disease. Emphasis is on recognition and treatment of clinical disease states of the periodontium. Lake Worth only.

**DEH 2701 COMMUNITY DENTISTRY (AS)**

2 credits (2 lecture hours)

Prerequisite: Sophomore status

An evaluation of dental diseases in the community through biostatistical and epidemiological examination. Emphasis placed on assessing, planning, implementing and evaluation of oral health programs in different target populations in the community. Lake Worth only.

**DEH 2702L COMMUNITY DENTISTRY PRACTICUM (AS)**

1 credit (2 lab hours)

Prerequisites: Sophomore status, DEH 2701

A series of professional experiences with the public at large. Emphasizing dental hygiene education of the public in an institutional setting using skills acquired in prerequisite course DEH 2701. Lake Worth only.

**DEH 2804C DENTAL HYGIENE III (AS)**

5 credits (1 lecture hour, 12 lab hours)

Prerequisites: DEH 1802C, DEH 2300; Corequisite: DEH 2603

A continuation of the development and application of dental hygiene skills and knowledge in both theory and practice. Clinical participation will include off and on campus dental health facilities, with the application of new and current preventive therapies. A variety of different practice settings will be included. Lake Worth only.

**DEH 2806C DENTAL HYGIENE IV (AS)**

6 credits (1 lecture hour, 15 lab hours)

Prerequisite: DEH 2804C; Corequisite: DEH 1811

A continuation of the development and application of dental hygiene skills and knowledge in both theory and practice. Clinical participation will include off and on campus dental health facilities, with the application of new and current preventive therapies, as well as the remediable tasks delegated to the dental hygienist. Lake Worth only.

**DEH 2807L DENTAL HYGIENE V: CLINICAL SKILLS UPDATE (AS)**

2 credits (4 lab hours)

Prerequisite: Graduation from an American Dental Association accredited school of dental hygiene

This course is a special-skills update in clinical dental hygiene for the graduate dental hygienist. It is recommended for recent PBCC Dental Hygiene Program graduates preceding the State of Florida board examination for licensure. Lake Worth only.

**DEP 2102 CHILD GROWTH AND DEVELOPMENT (AA)**

3 credits (3 lecture hours)

Prerequisite: PSY 2012

Stressing the emerging self of the child, this course explores the physical, cognitive and psychosocial nature of children within a developmental perspective. This course encompasses major theories and research relevant to diverse populations of children and families. Observation of children from pre-school level through adolescence provides for application of these theories.

**DES 0830C EXPANDED FUNCTIONS LECTURE AND LAB I (PSAV)**

96 clock hours

These courses are designed to provide the basic knowledge and clinical practice necessary for the dental assisting student to perform the expanded functions permitted by the rules and regulations of the Florida State Board of Dentistry. Lake Worth only.

**DES 0831C EXPANDED FUNCTIONS LECTURE AND LAB II (PSAV)**

66 clock hours

These courses are a continuation of DEA 0820C and are designed to provide the basic knowledge and clinical practice necessary for the dental assisting student to perform the expanded functions permitted by the rules and regulations of the Florida State Board of Dentistry. Special fee required. Lake Worth only.

**DES 1020 DENTAL ANATOMY (AS)**

3 credits (3 lecture hours)

Dental anatomy is the study of the structure, morphology and function of the primary and permanent dentitions and head and neck anatomy. The direct correlation of dental procedures to human oral anatomy is emphasized. Lake Worth only.

**DES 1100 DENTAL MATERIALS (AS)**

2 credits (2 lecture hours)

Corequisite: DES 1100L

This course is designed to acquaint the student with the physical and chemical properties of materials used in dental practice. Emphasis is placed on why specific materials are used, rather than solely upon manipulative techniques. Lake Worth only.

**DES 1100L DENTAL MATERIALS LAB (AS)**

1 credit (2 lab hours)

Corequisite: DES 1100

The laboratory phase affords the student the opportunity to develop manipulative skills with the materials used within the auxiliaries' scope of dental practice and to evaluate the effects of specific materials in the oral environment. Lake Worth only.

**DES 1200 DENTAL RADIOLOGY (AS)**

2 credits (2 lecture hours)

Corequisite: DES 1200L

A study of the nature, physical behavior, biological effects, methods of control, safety precautions and the techniques for exposing, processing and mounting X-rays. Lake Worth only.

**DES 1200L DENTAL RADIOLOGY LAB (AS)**

1 credit (2 lab hours)

Corequisite: DES 1200

Applications of techniques taught in dental radiology lecture as used

in clinical practice. Lake Worth only.

**DES 1600 OFFICE EMERGENCIES (AS)**

1 credit (1 lecture hour)

Prerequisite: Cardiopulmonary Resuscitation Basic Life Support conducted by American Heart Association

A study of the symptoms, treatment and equipment necessary to provide adequate care for common office emergencies. Discussion and practice will include emergency preparedness, content of the emergency kit and vital signs. Emergency treatment and cautions for medical and dental emergencies will be studied, as well as common emergency drugs used. Lake Worth only.

**DES 1800 INTRODUCTION TO CLINICAL PROCEDURES (AS)**

3 credits (3 lecture hours)

Corequisite: DES 1800L

A study of basic medical/dental terminology, the history of dentistry and the theory and techniques of clinical procedures, including instrument design and patient/operator positioning, the oral exam, dental charting, instrument transfer and oral evacuation, polishing and pain control. Infection control guidelines will be stressed throughout this course. Lake Worth only.

**DES 1800L INTRODUCTION TO CLINICAL PROCEDURES LAB (AS)**

1 credit (2 lab hours)

Corequisite: DES 1800

A practical application of professionalism and procedures in the clinical setting as these skills relate to the didactic portion of DES 1800, the corequisite. Lake Worth only.

**DES 1830C EXPANDED FUNCTIONS LECTURE AND LAB (AS)**

2 credits (1 lecture hour, 2 lab hours)

Prerequisites: DES 1800, DES 1800L, DES 1100, DES 1100L This course is designed to provide the basic knowledge and clinical practice necessary for the dental hygiene student to perform the expanded functions permitted by the rules and regulations of the Florida State Board of Dentistry. Lake Worth only.

**DES 1840 PREVENTIVE DENTISTRY (AS)**

2 credits (2 lecture hours)

This course is designed to teach the student how to educate and motivate dental patients in the prevention of dental diseases. A study of periodontal tissues, tooth deposits and stains, etiology of caries, fluorides, preventive oral physiotherapy and plaque control are all discussed and related to the control of dental diseases. Lake Worth only.

**DES 2502 OFFICE MANAGEMENT (AS)**

1 credit (1 lecture hour)

Marketing skills of the dental health care provider will be explored in depth. A working letter of application, resume and follow-up letter will be prepared. Traditional business office procedures will be compared and contrasted with those found in offices utilizing more advanced technology. Lake Worth only.

**DES 2934 COMPROMISED PATIENT (AS)**

1 credit (1 lecture hour)

Prerequisite: DES 1840; Corequisites: DEH 2603, DEH 2804C

This course provides the dental hygiene student an understanding of the problems peculiar to patients with special needs or unusual health factors that may complicate routine care generally provided and special procedures involved to help the patient maintain optimum oral health. Lake Worth only.

**DIE 1412 DIETETICS I (INTRODUCTION) (AS)**

3 credits (3 lecture hours)

Prerequisites: HUN 1201; FSS 1210; Corequisite: DIE 1419  
 This course introduces the organization of a food and nutrition department and emphasizes interviewing skills; medical terminology; standard documentation procedures and techniques for counseling patients for optimal nutritional care. Clinical experience is provided for nine hours/week concurrently. Lake Worth only.

**DIE 1419 DIETETICS PRACTICUM I (AS)**

3 credits (9 lab hours)

Prerequisites: HUN 1201, FSS 1210; Corequisite: DIE 1412  
 This is a practicum to accompany DIE 1412. Lake Worth only.

**DIE 2120 DIETETICS III (ADMINISTRATION) (AS)**

3 credits (3 lecture hours)

Prerequisites: DIE 2211, DIE 2270; Corequisite: DIE 2947L  
 This course teaches techniques involved in operating a food-service system in health-care facilities. Basic principles of menu planning, purchasing, costing, equipment, sanitation, delivery systems and management are covered. The student spends nine hours/week in a health-care facility concurrently. Lake Worth only.

**DIE 2211 DIETETICS II (CLINICAL) (AS)**

3 credits (3 lecture hours)

Prerequisites: DIE 1412, DIE 1419; Corequisite: DIE 2270  
 This course covers principles of nutrition with adaptations to specific disease conditions. Emphasis is placed on building skills to provide total nutritional care of the individual patient in health care settings. Clinical experience is provided nine hours/week concurrently. Lake Worth only.

**DIE 2270 DIETETICS PRACTICUM II (AS)**

3 credits (9 lab hours)

Prerequisites: DIE 1412, DIE 1419; Corequisite: DIE 2211  
 This practicum accompanies DIE 2211. Lake Worth only.

**DIE 2947L DIETETICS PRACTICUM III (AS)**

3 credits (9 lab hours)

Prerequisites: DIE 2211, DIE 2270; Corequisite: DIE 2120  
 This practicum accompanies DIE 2120. Lake Worth only.

**ECO 2013 PRINCIPLES OF MACROECONOMICS (AA)**

3 credits (3 lecture hours)

Supply and demand, mixed capitalist system, national income accounting, the business cycle employment and income determination, money and banking and fiscal and monetary policies. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. Gordon Rule writing requirement minimum 2,000 words and a demonstration of computer application is required. A grade of C or higher is required for this course to be used as a General Education course. Distance learning section may be available.

**ECO 2023 PRINCIPLES OF MICROECONOMICS (AA)**

3 credits (3 lecture hours)

Cost and revenue analysis, nature of markets (perfect competition, monopoly, oligopoly and monopolistic competition), and application of basic tools of economic analysis and public policy issues. Distance learning section may be available.

**EDF 1030 BEHAVIOR MANAGEMENT IN THE CLASSROOM (AA)**

3 credits (3 lecture hours)

Structured teaching, applied behavior analysis; principles derived from learning laboratory to educational and social behavioral problems. Provides teachers, counselors and special educators seeking recertification strategies of classroom behavior management.

**EDF 1949C CO-OP: EDUCATION I (AA)**

3 credits (1 lecture hour, 10 lab hour)

This coordinated work-study program reinforces the educational and professional growth of the student through parallel involvement in classroom studies and field experience. The student and teacher-coordinator determine the objectives for the on-the-job assignment. The student is evaluated by the teacher-coordinator and the immediate supervisor according to those objectives. CDA candidates will incorporate the first seven functional areas in their objectives. A portfolio will be developed for each area.

**EDF 2005 FOUNDATIONS IN EDUCATION (AA)**

3 credits (3 lecture hours)

This course is an introduction to the nature of teaching in public schools in the United States. Topics included are: planning and preparation for teaching; roles and responsibilities of teachers; relationships between schools and society; organization, financing and control of public schools; historical perspectives; and the aims and objectives of education as a social institution.

**EDF 2949C CO-OP EDUCATION II (AA)**

3 credits (1 lecture hour, 10 lab hour)

Prerequisite: EDF 1949C

This course follows EDF 1949C.

**EDG 1311 EARLY CHILDHOOD EDUCATION PRACTICUM I (AS)**

3 credits (1 lecture hour, 10 lab hour)

This is a coordinated work-study program that reinforces the educational and professional growth of the student through field experience (minimum 10 hours/week) in a licensed and approved early childhood setting.

**EDG 1312 EARLY CHILDHOOD EDUCATION PRACTICUM II (AS)**

3 credits (1 lecture hour, 10 lab hour)

This course is a continuation of EDG 1311.

**EDG 2701 TEACHING DIVERSE POPULATIONS (AA)**

3 credits (3 lecture hours plus 15 hour field experience)

Prerequisite: EDF 2005

This course is designed to introduce prospective educators to: (a) the value of diversity in American society; (b) various concepts and meanings of diversity; (c) manifestations of diversity in the U.S.; and (d) the role of education in developing, extending and utilizing diversity. Future teachers will become more sensitive to the needs of their diverse student populations and can move toward determining ways in which they could adapt or modify their teaching to a population with diverse abilities, learning characteristics and motivational styles.

**EDP 2002 INTRODUCTION TO EDUCATIONAL PSYCHOLOGY (AA)**

3 credits (3 lecture hours)

Prerequisite: PSY 2012 or permission of the instructor

This course examines the psychological basis of educational theory and practice. Topics of study include developmental theories, psy-

chological perspectives of the teaching-learning process, instructional design and program evaluation.

**EEC 1001 INTRODUCTION TO EARLY CHILDHOOD EDUCATION (AA)**

3 credits (3 lecture hours)

Theories, philosophies, programs and methods in early childhood education covering information required for the Florida child-care certification. Students completing the modules are eligible for the child-care workers certification required for child-care workers.

**EEC 1006 MONTESSORI PHILOSOPHY (AS)**

3 credits (3 lecture hours)

Theory of Montessori method including evolution; relationship to Piaget, Erikson, Kohlberg, Vygotsky, and others; sensitive periods of development; role of teacher as director, prepared environment; and process of normalization.

**EEC 1200 EARLY CHILDHOOD CURRICULUM I (AS)**

3 credits (3 lecture hours)

This course is designed to instruct students in the preparation of classroom learning centers, in choosing and constructing suitable learning materials for art, music, sensorial and language and in methods of presentation in order to guide children in the proper use of these materials.

**EEC 1214 EARLY CHILDHOOD CURRICULUM III (AS)**

3 credits (3 lecture hours)

This course is designed to instruct students in the preparation of learning centers, in the choosing and constructing of learning materials, and in the methods of presentation to children in the curriculum areas of music, art, dramatic play, and fine and gross motor skills.

**EEC 1311 EARLY CHILDHOOD CURRICULUM II (AS)**

3 credits (3 lecture hours)

Prerequisite: EEC 1200

An introduction to the mathematics and science concepts appropriate to the developmental level of the pre-primary and primary child, ages 3 through grade 3. Activities will be examined and creative ideas explored as the student develops mathematics and science lesson plans.

**EEC 1522 INFANT/TODDLER ENVIRONMENTS (AS)**

3 credits (3 lecture hours)

Prerequisite: CHD 1110

The purpose of this course is to provide students an opportunity to study the infant/toddler care giving environment including the organization of space, interaction, activities, scheduling, and providing for staff and parents.

**EEC 1601 OBSERVATION AND ASSESSMENT IN EARLY CHILDHOOD (AS)**

Prerequisites: DEP 2102 and/or CHD 1220

This course is designed to provide the child care professional with an overview of the importance of observation and assessment in planning developmentally appropriate programs for young children. The course covers the use of a variety of observation methods and developmentally appropriate assessment practices and instruments. Off-campus observations are required.

**EEC 2002 CHILD CARE AND EDUCATION ORGANIZATION LEADERSHIP MANAGEMENT (AS)**

3 credits (3 lecture hours)

This course is a requirement for the Florida Child Care and Education Program Administrator Credential-Advanced Level. Focus is on the major responsibilities of a childcare and education program administration in creating and sustaining an effective orga-

nizational structure in a childcare and education setting. Topics include organizational structure and dynamics, ethics and professionalism; personnel policies and procedures; leadership; staff development, evaluation and retention.

**EEC 2202 CHILD CARE AND EDUCATION PROGRAMMING (AS)**

3 credits (3 lecture hours)

This course is a requirement for the Florida Child Care and Education Program Administrator Credential-Advanced Level. Topics include developmentally and culturally appropriate environment and curriculum; professional standards; child observation, assessment, documentation and referral; health, safety and nutrition practices; alliances and families.

**EEC 2204 DEVELOPING CURRICULUM FOR INFANTS AND TODDLERS (AS)**

3 Credits (3 lecture hours)

Prerequisite: CHD 1110; Corequisite: EEC 2943

The caregiver learns to match caregiver strategies and child development for specific age ranges. The student learns the developmental profiles and characteristics of infants/toddlers in a specific age range, lists materials, and learns strategies which may be used with individual children to promote development.

**EEC 2271 TEACHING CHILDREN WITH SPECIAL NEEDS (AS)**

3 credits (3 lecture hours)

A survey of information regarding children with special needs, including possible causes and characteristics of exceptionailities, educational intervention, available resources, referral processes, and the advocacy role and legislative issues.

**EEC 2407 SOCIAL-EMOTIONAL GROWTH AND SOCIALIZATION IN INFANTS AND TODDLERS (AS)**

3 credits (3 lecture hours)

Prerequisite: CHD 1110

The purpose of this course is to provide students an opportunity to utilize their knowledge and understanding of infant/toddler growth and development to foster social and emotional development in the infant and toddler. The student will learn to create nurturing relationships with the children in their care.

**EEC 2521 CHILD CARE AND EDUCATION FINANCIAL AND LEGAL ISSUES (AS)**

3 credits (3 lecture hours)

This course is a requirement for the Florida Child Care and Education Program Administrator Credential-Advanced Level. Topics include financial planning and ongoing monitoring; budgeting and accounting; compensation and benefits; facilities and equipment; financial resource development and marketing; technology and recording keeping; legal obligations, tax law, insurance and licensure; regulatory requirements; and personnel law.

**EEC 2530 MONTESSORI CURRICULUM I (AS)**

3 credits (3 lecture hours)

Prerequisite or corequisite: EEC 1006

Introduces learning materials for daily living (practical life) and language areas of Montessori early childhood classroom. Lecture and demonstration of materials are provided. Students should also enroll in Montessori Curriculum Lab I through Career and Technical Education.

**EEC 2532 MONTESSORI CURRICULUM II (AS)**

3 credits (3 lecture hours)

Prerequisites: EEC 1006, EEC 2530

This course is a continuation of EEC 2530. Introduces learning materials for sensorial and mathematics areas of Montessori early childhood classroom. Demonstration of materials and discussion are provided. Students should also enroll in Montessori Curriculum lab II through Career and Technical Education.

#### **EEC 2603 CONFLICT RESOLUTION IN EARLY CHILDHOOD 3 credits (3 lecture hours)**

Students will learn how to create safe, caring, and respectful environments for young children and their families, using techniques such as reflective listening, trust-building, and problem solving, to foster empathy, impulse control, and anger management in young children. Students will also learn to develop conflict resolution, violence prevention, and peace education programs for children and families.

#### **EEC 2731 HEALTH, SAFETY, AND NUTRITION FOR THE YOUNG CHILD (AS) 3 credits (3 lecture hours)**

This course provides an overview of the fields of health, safety, and nutrition as they relate to the young child and his/her family. Emphasis is placed on learning to incorporate current concepts in health, safety, and nutrition into a quality childcare setting

#### **EEC 2940 MONTESSORI TEACHING PRACTICUM I (AS) 3 credits (20 lab hour)**

Teaching experience in an approved Montessori early childhood classroom under the supervision of approved instructors.

#### **EEC 2941 MONTESSORI TEACHING PRACTICUM II (AS) 3 credits (20 lab hour)**

Continuation of EEC 2940

#### **EEC 2943 INFANT/TODDLER PRACTICUM I (AS) 3 credits (20 hour lab)**

Prerequisites: CHD 1110, EEC 1522, EEC 2407  
This course is designed to provide an initial teaching experience in approved infant/toddler classrooms under the supervision of approved instructors.

#### **EEC 2946 INFANT/TODDLER PRACTICUM II (AS) 3 credits (20 lab hours)**

Prerequisites: CHD 1110, EEC 1522, EEC 2407  
Core Courses in Child Development and Education This course is designed to provide a second level teaching experience in approved infant/toddler classrooms under the supervision of approved instructors.

#### **EEC 2948: CHILD CARE CENTER MANAGEMENT PRACTICUM I (AS) 3 credits (20 practicum hours)**

Prerequisites: EEC 2202, EEC 2002, EEC 2521  
This course will provide the Administrator (or aspiring early childhood administrator) the opportunity to put theory into practice in their prospective centers and programs under the supervision of approved college instructors.

#### **EEC 2949 CHILD CARE CENTER MANAGEMENT PRACTICUM II (AS) 3 credits (20 practicum hours)**

Prerequisites: EEC 2202, EEC 2002, EEC 2521, EEC 2948  
This course will be given the Spring Semester and will provide the Administrator (or aspiring early childhood administrator) the opportunity to put theory into practice in their prospective centers and programs under the supervision of approved college instructors. This course is a continuation of Child Care Center Management Practicum I.

#### **EET 1015 DC CIRCUIT ANALYSIS (AS) 3 credits (3 lecture hours)**

Prerequisites or corequisites: EET 1015L and MAT 1033 or equivalent Precalculus level study of circuit properties of resistance, capacitance and inductance in DC circuits includes Ohm's and Kirchoff's Laws, series and parallel networks, network theorems, magnetic circuits and DC instruments.

#### **EET 1015L DC CIRCUIT ANALYSIS LABORATORY (AS) 1 credit (2 lab hours)**

Corequisite: EET 1015

Laboratory work in applied theory.

#### **EET 1025 AC CIRCUIT ANALYSIS (AS) 3 credits (3 lecture hours)**

Prerequisites: EET 1015, EET 1015L; Corequisites: EET 1025L, MAC 1105

Analysis on AC circuits, series and parallel AC networks, network theorems, power, resonance and transformers is provided.

#### **EET 1025L AC CIRCUIT ANALYSIS LABORATORY (AS) 1 credit (2 lab hours)**

Corequisite: EET 1025

This is a laboratory to accompany EET 1025.

#### **EET 2121 ELECTRONICS I (AS) 3 credits (3 lecture hours)**

Prerequisites: EET 1025, EET 1025L; Corequisite: EET 2121L  
Solid-state electronic components, characteristics, application and troubleshooting including diode theory, transistor theory and biasing techniques, regulated and unregulated power supplies.

#### **EET 2121L ELECTRONICS I LABORATORY (AS) 1 credit (2 lab hours)**

Corequisite: EET 2121

This is a laboratory to accompany EET 2121.

#### **EET 2122 ELECTRONICS II (AS) 3 credits (3 lecture hours)**

Prerequisites or corequisites: EET 2121, EET 2121L, EET 2122L  
Advanced semiconductor course covering frequency and bandwidth of transistors, amplifiers, differential and operational, integrated circuits, feedback oscillators, harmonic distortion, frequency mixing and modulation.

#### **EET 2122L ELECTRONICS II LABORATORY (AS) 1 credit (2 lab hours)**

Corequisite: EET 2122

This is a laboratory to accompany EET 2122.

#### **EET 2322C COMMUNICATION ELECTRONICS (AS) 4 credits (3 lecture hours, 2 lab hours)**

Prerequisites: EET 2122 and EET 2122L  
Continuation of electronics, designed for taking the First Class FCC license. Covers vacuum tube circuits, class C amplifiers, regulated power supplies, RF amplifiers, AM and FM modulation, transmission lines and antennas.

#### **EET 2515C AC AND DC MOTORS / GENERATORS (AS) 4 credits (3 lecture hours, 2 lab hours)**

Prerequisites: EET 1025 and EET 1025L

This course is a study of DC and AC motors and generators, electromechanical fundamentals, DC generators, DC motors, AC alternators, parallel operation, induction and synchronous motors, poly- and single-phase motors, two-and three-phase systems and transformers.

#### **EEV 0587 TELECOMMUNICATIONS CABLE TECHNOLOGY (PSAV) 450 clock hours**

This course is a hands-on training program for employment in the telecommunications and CATV construction industry. The course content includes installation, maintenance, and servicing of telecommunications systems; and diagnosis and correction of operational problems in telecommunications arising from mechanical, electrical, or electronics, hardware malfunctions. It also includes employability skills, and safe, efficient work practices.

#### **EEV 0793 COMMUNICATION AND DOCUMENTATION (PSAV) 60 clock hours**

This course includes logging of data, writing technical reports, writing technical memoranda, verbal communications, specification reading and interpretation, graphical presentations. Lake Worth only.

#### **EEV 0810 INTRODUCTION TO DC CIRCUITS (PSAV) 100 clock hours**

Subjects include free electrons, electromotive force, static electricity, current flow resistance, thermal coefficient of resistance, Ohm's Law, series circuits, parallel circuits, conductor resistance, metric prefixes, ammeter, voltmeter, ohmmeter and other related topics. Lake Worth only.

#### **EEV 0811 ADVANCED DC CIRCUITS (PSAV) 120 clock hours**

Course includes multi-loop circuits, multi-node circuits, voltage source concept, current source concept, Thevenin Theorem, Norton Theorem, R-C circuits and R-L circuits. Lake Worth only.

#### **EEV 0812 AC CIRCUITS (PSAV) 100 clock hours**

Subjects include series capacitor circuits, parallel capacitor circuits, phase shift, leading current, series and parallel inductive circuits, series resonance, parallel resonance, RLC circuits, circuit quality, bandwidth, transformers, power supplies and other related topics. Lake Worth only.

#### **EEV 0813 ELECTRONIC DEVICES (PSAV) 90 clock hours**

Subjects include conventional and special purpose diodes, rectifier circuits, semi-conductor theory, bipolar transistors, field effect transistors, MOS technology, thyristors, controlled rectifiers, transient voltage protectors, introduction to digital circuits and other related topics. Lake Worth only.

#### **EEV-0814 ANALOG CIRCUITS (PSAV) 200 clock hours**

This course includes multi-stage amplifiers, linear integrated circuits, input/output impedance, regulated power supplies, differential amplifiers, operational amplifiers, active filters, oscillators, opto-device circuits, cathode ray and liquid crystal fundamentals.

#### **EEV 0815 LOGIC CIRCUITS (PSAV) 140 clock hours**

This course includes pulse generators, logic elements, (AND, OR, NOT, NOR, NAND, XOR), truth tables, flip flops, gates, registers, half space adders, full adders, counters, clocks, coders/decoders, multiplexers, digital to analog conversions, analog to digital conversion, arithmetic/logic units. Lake Worth only.

#### **EEV 0816 MICROPROCESSOR FUNDAMENTALS (PSAV) 180 clock hours**

This course includes microprocessor architecture, analyzing instru-

ments, analyzing techniques, input/output devices, programming fundamentals, assembly language operations, machine language subroutines, interrupts, instruction sets. Lake Worth only.

#### **EEV 0821 SOLDERING LAB PRACTICES (PSAV) 70 clock hours**

Subjects include mechanics of solder and solder joints, flux types, soldering irons, temperatures, wire and component terminations, assembly techniques, single and double sided printed circuits, heat transfer, terminal mass and other related topics. Lake Worth only.

#### **EEV 0840 COMPUTER USAGE (PSAV) 60 clock hours**

This course includes computer organization, Windows, DOS, spreadsheets, word processor, database, use of flexible disks, compact disks, and printer. Lake Worth only.

#### **EEV 0850 DIGITAL MATHEMATICS (PSAV) 30 clock hours**

This course includes numbering systems (binary, octal, hexadecimal), two's complement, arithmetic, decimal/binary conversions, elements of Boolean algebra. Lake Worth only.

#### **EEV 0851 INTRODUCTION TO ENGINEERING MATH AND SCIENCE (PSAV) 40 clock hours**

Subjects include algebra (solve for single unknown), use of a calculator, reciprocals and their manipulation; atomic structure, molecular structure; temperature measurement; thermal effects on volume, humidity, chemical activity and pressure in a container, simple graphing, energy and power measurements. Lake Worth only.

#### **EEV 0852 MATH AND SCIENCE (PSAV) 60 clock hours**

Course includes algebra (simultaneous equations), magnetism, inductors, exponential rise and decay, time constant, determinations and Lenz's Law. Lake Worth only.

#### **EEV 0853 ADVANCED MATH AND SCIENCE (PSAV) 40 clock hours**

This course includes understanding of wave motion, frequency, period phase and amplitude of waves, peak, average and RMS values, functions of sin, cos and tangent; inverse functions, rectangular and polar coordinates; square and triangular waves and decibel calculations. Lake Worth only.

#### **EEV 0855 MATH AND SCIENCE VERIFICATION (PSAV) 70 clock hours**

Includes verification of retention of all previous math and science subjects, reviews as required. (This course is included in order to conform with 1-150303 funding requirement level D.) Lake Worth only.

#### **EGS 1111C ENGINEERING GRAPHICS (AS) 3 credits (2 lecture hours, 4 lab hours)**

Prerequisite: ETD 1100C or equivalent. ETD 1320C recommended Orthographic projection, dimensioning, sectional views, pictorials, threads and fasteners, charts and graphs, points, lines and planes and relation to graphical language.

#### **EGS 2310 STATICS (AA) 3 credits (3 lecture hours)**

Prerequisites: PHY 2053 and MAC 2311 Mechanics; force systems, coplanar and noncoplanar; concurrent, nonconcurrent; equilibrium; distributed forces, moments of inertia; and structures are emphasized.

**EME 2040 INTRODUCTION TO EDUCATIONAL TECHNOLOGY (AA)**

3 credits (3 lecture hours)

Prerequisite: EDF 2005

This course will provide introduction to the various educational technologies available to prospective classroom teachers for use in the development and delivery of improved instruction. The technologies and accompanying materials will be demonstrated and used in a wide variety of subjects and grade levels.

**EMS 0159 EMERGENCY MEDICAL TECHNICIAN (PSAV)**

250 clock hours

This course is designed to prepare the student for the Florida State Board Examination for Emergency Medical Technician-Basic. Classroom study and clinical work equip the student with the skills in patient assessment, cardiopulmonary resuscitation (CPR), oxygen therapy, shock prevention, bandaging, splinting, spinal immobilization and vehicle extrication that are necessary for a career in out-of-hospital emergency medicine.

**EMS 1271 PARAMEDIC I (PSVC, AS)**

2 credits (2 lecture hours)

Prerequisite: Acceptance into paramedic program

This course introduces paramedic roles and responsibility, EMS system, medical/legal aspects, communication, rescue and major incident response.

**EMS 1271L PARAMEDIC SKILLS I LAB (PSVC, AS)**

3 credits (6 lab hours)

Prerequisite: Acceptance into paramedic program; Corequisite: EMS 1271

This course emphasizes the practice of hands-on skills.

**EMS 1272 PARAMEDIC II (PSVC, AS)**

6 credits (6 lecture hours)

Prerequisites: Acceptance into paramedic program, EMS 1271/1271L, EMS 1294L

The paramedic student will be introduced to medical terminology, general patient assessment, airway ventilation, shock, general pharmacology, trauma, burn care, respiratory, cardiovascular, endocrine, nervous system, acute abdomen. The clinical portion will be carried out in a hospital ER, ICU, CCU, operating room, respiratory therapy, obstetrics.

**EMS 1272L PARAMEDIC SKILLS II LAB (PSVC, AS)**

1 credit (3 lab hours)

Prerequisites: EMS 1271, EMS 1271L; Corequisites: EMS 1272, EMS 1294L

This is a laboratory to accompany EMS 1272.

**EMS 1273 PARAMEDIC III (PSVC, AS)**

6 credits (6 lecture hours)

Prerequisite: Acceptance into paramedic program and completion of EMS 1272/1272L, EMS 1294L; Corequisites: EMS 1273, 1295L

The paramedic student will be introduced to principles required to care for the patient suffering with anaphylaxis, toxicology, alcoholism, drug abuse, infection disease, environmental emergencies, geriatric, pediatrics, OB/GYN, behavioral emergencies and advanced cardiac life support as directed by the American Heart Association. The clinical portion will be carried out in hospital ER, ICU, CCU, operating room, respiratory therapy, obstetrics.

**EMS 1273L PARAMEDIC SKILLS III LAB (PSVC, AS)**

2 credits (4 lab hours)

Prerequisites: EMS 1271, 1272, 1272L and 1294L; Corequisites: EMS 1273, EMS 1295L

The paramedic student will begin to use skills learned in EMS 1271L in scenario settings.

**EMS 1294L CLINICAL/FIELD ROTATION I (PSVC, AS)**

7 credits (14 lab hours)

Prerequisites: EMS 1271, EMS 1271L; Corequisites: EMS 1272, EMS 1272L

The paramedic student will participate in various selected fire rescue and hospital rotations. The student will be responsible for patient care under clinical instructors. Can award as experiential learning credit to holders of Florida EMT Certificate. S/U grading.

**EMS 1295L CLINICAL/FIELD ROTATION II (PSVC, AS)**

7 credits (14 lab hours)

Prerequisites: EMS 1294/1294L; Corequisites EMS 1273, 1273L

The paramedic student will participate in various selected fire rescue and hospital clinical rotations. The student will be responsible for participation in all aspects of patient care rendered by paramedics with approved preceptors and clinical instructors. S/U grading.

**EMS 1331 AEROMEDICAL TRANSPORT (AS)**

3 credits (3 lecture hours)

Prerequisites: Licensure as paramedic, registered nurse, physician, respiratory therapist, or American Heart Association ACLS certification

Dynamics of flight physiology, history of medical flight, safety and orientation for rotor wing and fixed wing aircraft. Communication, rules and regulations, aircrew fitness, search and rescue, survival and effects of air transport on patient conditions.

**ENC 0001 COLLEGE PREP ENGLISH I**

3 institutional credits (3 lecture hours)

Corequisite: SLS 1501

This course prepares students for ENC 0010. It emphasizes the construction and expansion of sentences for standard paragraph form with individual grammar review as needed. Graded Passing or Not Passing (P or N). Special fee required.

**ENC 0010 COLLEGE PREP ENGLISH II**

3 institutional credits (3 lecture hours)

Prerequisite: A College Placement Test (CPT) score of 61 or above or successful completion of ENC 0001; Corequisite: SLS 1501

This course prepares students for ENC 1101. It emphasizes basic writing skills necessary to construct coherent paragraphs and essays in the rhetorical modes with individual grammar review as needed. Graded Passing or Not Passing (P or N). Special fee required.

**ENC 1101 COLLEGE COMPOSITION I (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 0010 or adequate score on placement exam

Course includes fundamentals of expository writing, rhetorical patterns and a review of mechanics, syntax and grammar. After successfully completing this course, students should demonstrate strategies in planning and drafting an essay, developing a thesis, using effective diction and sentence structure, using conventional syntax and observing conventions of Standard English. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement

test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. A grade of C or higher is required for this course to be used as a General Education course. Written work required: 6,000 words.

**ENC 1102 COLLEGE COMPOSITION II (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121

Course teaches skills and techniques for critical, persuasive and research writing. Also included are styles and tone of non-fiction and interpretation of literature. After successfully completing the course, students should demonstrate increased proficiency in writing; analyze and compose non-fictional prose; and write persuasive, critical and research essays. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. A grade of C or higher is required for this course to be used as a General Education course. Written work: 7,000 words.

**ENC 1151 APPLIED COMMUNICATIONS (AS)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121

Technical writing offers critical work in preparation of manuals, reports and professional memoranda. It is designed for those who need to write out processes and instructions. Practical examples, such as handbooks and letters from functioning businesses, help students develop skill in being explicit. Written work: 7,000 words.

**ENC 1104 CLAST REVIEW: ESSAY SKILLS (AA)**

1 credit (1 lecture hour)

Prerequisite: A score below the state-mandated passing level on the essay subtest of CLAST.

This course is designed for students who need an intensive review in college-level essay writing as a preparation for the CLAST. The CLAST essay objectives will be emphasized. Graded Passing or Not Passing (P or N).

**ENL 1121 HONORS COLLEGE COMPOSITION I (AA)**

3 credits (3 lecture hours)

This course is designed for students with mastery of English fundamentals and proficiency in communications skills. It includes a sophisticated approach to reading and writing with emphasis on critical thinking. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. A grade of C or higher is required for this course to be used as a General Education course. Written Work: 6,000 words.

**ENL 1122 HONORS COLLEGE COMPOSITION II (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1121 or recommendation of ENC 1101 instructor

This course is an advanced composition course emphasizing creative expression and critical thinking. It is a continuation of ENC 1121. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. A grade of C or higher is required for this course to be used as a General Education course. Written work: 7,000 words.

**ENC 1131 CLAST-WRITING SKILLS REVIEW (AA)**

1 credit (1 lecture hour)

Prerequisite: A score below the state-mandated passing level on the English language skills subtest of the CLAST.

This course reviews college-level grammar and writing skills for students who need to take the English language skills subtest of the CLAST. Sentence structure, grammar and word-choice skills will be stressed as explained in the CLAST objectives. Graded Passing or Not Passing (P or N).

**ENC 1141 WRITING ABOUT LITERATURE (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121

This course, recommended for potential English majors, is designed to develop abilities to analyze and interpret short stories, novels, plays and poems and to write about these literary forms critically, responsively, and persuasively. This course is accepted for transfer as part of a completed AA degree. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. A grade of C or higher is required for this course to be used as a General Education course. Written work: 7,000 words.

**ENL 2012 ENGLISH LITERATURE BEFORE 1800 (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121

Students will study writings produced in the British Isles from the beginnings to 1800 and work on developing appreciation for major writers and their influences. Concurrently, students will focus on reading, interpreting and discussing the literature critically. Through this process, students will have deepened understandings of what being human means. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. A grade of C or higher is required for this course to be used as a General Education course. Written work: 3,000 words.

**ENL 2022 ENGLISH LITERATURE AFTER 1800 (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121

Students will study writings produced in the British Isles from 1800 to the present and work on developing an appreciation for major writers and their influences. Concurrently, students will focus on reading, interpreting and discussing the literature critically. Through this process, students will have deepened understandings of what being human means. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. A grade of C or higher is required for this course to be used as a General Education course. Written work: 3,000 words.

**ESL 0001 SPEAKING AND LISTENING-LEVEL I**

3 institutional credits (3 lecture hours)

Prerequisite: Adequate score on the placement test and/or advisement. (Students required to prove English proficiency may be placed into the ESL Foundation program.)

This course features social, professional and academic experiences that will improve students' speaking and listening skills. Standard English pronunciation, stress, intonation and idioms, as well as dif-

ferences in non-verbal communication will be taught and applied. Graded Passing or Not Passing (P or N). Special fee required.

#### **ESL 0002 SPEAKING AND LISTENING-LEVEL II**

3 institutional credits (3 lecture hours)

Prerequisite: Successful completion of ESL 0001, or placement testing and advisement. (Students required to prove English proficiency may be placed into the ESL Foundation program.)

This course will provide formal and informal experiences to continue the development of listening and speaking skills. It will include continued improvement of English pronunciation skills and vocabulary, note-taking, class discussion, persuasive speaking and debating. Graded Passing or Not Passing (P or N). Special fee required.

#### **ESL 0003 INTERNATIONAL STUDENT LAB I**

3 institutional credits (3 lecture hours)

Prerequisites: A Comprehensive English Level Test (CELT) score of 110 or above and a College Placement Test (CPT) English score of 0-54 (Students required to prove English proficiency may be placed into the ESL Foundation program.)

This lab prepares students for Level II and is an integrated lab designed for international students whose primary language is not English. The lab will focus on the development of speaking, listening, reading and grammatical skills through interactive computer software programs. Graded Passing or Not Passing (P or N).

#### **ESL 0004 INTERNATIONAL STUDENT LAB II**

3 institutional credits (3 lecture hours)

Prerequisite: A Comprehensive English Level Test (CELT) score of 110 or above and a College Placement Test (CPT) English score of 55-68, or successful completion of Level I (Students required to prove English proficiency may be placed into the ESL Foundation program.)

This lab prepares students for Level III and is an integrated lab designed for international students whose primary language is not English. The lab focuses on the development of speaking, listening, reading and grammatical skills through interactive computer software programs. Graded Passing or Not Passing (P or N).

#### **ESL 0005 INTERNATIONAL STUDENT LAB III**

3 institutional credits (3 lecture hours)

Prerequisite: A Comprehensive English Level Test (CELT) score of 110 or above and a College Placement Test (CPT) English score of 69-82, or successful completion of Level II (Students required to prove English proficiency may be placed into the ESL Foundation program.)

This integrated lab is designed for international students whose primary language is not English. The lab focuses on the development of speaking, listening, reading, and grammatical skills through interactive computer software programs. Graded Passing or Not Passing (P or N).

#### **ESL 0006 INTRODUCTION TO LISTENING AND SPEAKING SKILLS**

4 institutional credits (4 lecture hours)

Prerequisites: A score between 85 and 109 on the Comprehensive English Level Test (CELT) and/or a score of 29 or below on the College Placement Test (CPT) (Students required to prove English proficiency may be placed into the ESL Foundation program.)

This course is for students whose primary language is not English and whose test scores indicate a need for listening and speaking improvement. Emphasis is placed on improving comprehension, pronunciation and fluency. Prescriptive lab work is required. Graded Passing or Not Passing (P or N).

Prerequisites: A score between 85 and 109 on the Comprehensive English Level Test (CELT) and/or a score of 29 or below on the

#### **ESL 0020 ESL READING-LEVEL I**

3 institutional credits (3 lecture hours)

Corequisite: SLS 1501 (Students required to prove English proficiency may be placed into the ESL Foundation program.)

This course is for students whose primary language is not English and whose placement test scores indicate the need for instruction in basic vocabulary, study and literal comprehension skills. The emphasis in this course will be on establishing the foundation for academic literacy. Prescriptive lab work is required. Graded Passing or Not Passing (P or N). Special fee required.

#### **ESL 0021 ESL READING-LEVEL II**

3 institutional credits (3 lecture hours)

Prerequisite: A College Placement Test (CPT) score of 55 to 68; Corequisite: SLS 1501 (Students required to prove English proficiency may be placed into the ESL Foundation Program.)

This course is designed for students whose primary language is not English and whose placement test scores indicate the need for intensive training in academic reading skills. The emphasis in this course is on reading comprehension with additional practice in listening and speaking. Prescriptive lab work is required. Graded Passing or Not Passing (P or N). Special fee required.

#### **ESL 0040 ESL ENGLISH-LEVEL I**

3 institutional credits (3 lecture hours)

Corequisite: SLS 1501 (Students required to prove English proficiency may be placed into the ESL Foundation program.)

This course is designed for students whose primary language is not English and whose placement test scores indicate the need for instruction in basic grammar, sentence structure, punctuation and usage.

The course emphasizes the writing of short, simple paragraphs. Prescriptive lab work is required. Graded Passing or Not Passing (P or N). Special fee required.

#### **ESL 0041 ESL ENGLISH-LEVEL II**

3 institutional credits (3 lecture hours)

Prerequisites: CPT score of 55; Corequisite: SLS 1501 (Students required to prove English proficiency may be placed into the ESL Foundation program.)

This course is designed for students whose primary language is not English and whose placement scores indicate the need for instruction in composing grammatically-correct sentences with intermediate vocabulary and fully developed paragraphs using a variety of sentences. Prescriptive lab work is required. Graded passing or Not Passing (P or N). Special fee required.

#### **EST 0061 INTRODUCTORY TO GRAMMAR FOUNDATIONS**

4 institutional credits (4 lecture hours)

Prerequisites: A score between 85 and 109 on the Comprehensive English Level Test (CELT) and/or a score of 29 or below on the College Placement Test (CPT) (Students required to prove English proficiency may be placed into the ESL Foundation program.)

This course is for students whose primary language is not English and whose test scores indicate a need for grammar practice as preparation for ESL 0040. Emphasis is placed on verb tenses, parts of speech and question formation. Prescriptive lab work is required. Graded Passing or Not Passing (P or N).

#### **ESL 0080 INTEGRATED READING AND WRITING**

4 institutional credits (4 lecture hours)

Prerequisites: A score between 85 and 109 on the Comprehensive English Level Test (CELT) and/or a score of 29 or below on the

College Placement Test (CPT) (Students required to prove English proficiency may be placed into the ESL Foundation program.)

This course is for students whose primary language is not English and whose test scores indicate a need for reading and writing practice. Emphasis is placed on reading comprehension, vocabulary development and paragraph structure. Prescriptive lab work is required. Graded Passing or Not Passing (P or N).

#### **ESL 0121 ESL READING-LEVEL III**

3 institutional credits (3 lecture hours)

Prerequisites: CPT score of 69 or above or successful completion of ESL 0021 or REA 0001; Corequisite: SLS 1501 (Students required to prove English proficiency may be placed into the ESL Foundation program.)

This course is designed for students whose primary language is not English and whose placement test scores indicate a need for development of critical thinking skills. Students read short works of English and American literature. Exercises and class discussions develop listening and speaking skills. Prescriptive lab work is required. Graded Passing or Not Passing (P or N). Special fee required.

#### **ESL 0181 ESL ENGLISH-LEVEL III**

3 institutional credits (3 lecture hours)

Prerequisites: CPT score between 69 and 82 or above or successful completion of ESL 0041 or ENC 0001; Corequisite: SLS 1501 (Students required to prove English proficiency may be placed into the ESL Foundation program.)

This course is designed for students whose primary language is not English and whose placement scores indicate the need for instruction in writing coherent paragraphs and effective essays as well as in using correct grammar. Prescriptive lab work is required. Graded Passing or Not Passing (P or N). Special fee required.

#### **EST 2541C SERVOMECHANISM AND INSTRUMENTATION (AS)**

4 credits (3 lecture hours, 2 lab hours)

Prerequisite: EET 1025 or instructor permission required

This course is a study of system function and components. Mathematics is introduced in sufficient depth to understand how a system transfer function is used in frequency response testing. Topics include potentiometers, resolvers, transducers, synchors, mechanical electrical characteristics, servomotors and generators, stability and frequency response.

#### **EST 2542C PROGRAMMABLE CONTROLLERS (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: EET 1015

Introduction to industrial controllers, how to program and applications to industrial processes.

#### **ETD 0071 BLUEPRINT READING (PSAV)**

150 clock hours

This course introduces students to the technology and graphic skills necessary to become familiar with the drafting industry. This course will cover basic drafting skills and fundamental computer skills. Lake Worth only.

#### **ETD 0073 DRAFTING I (PSAV)**

450 clock hours

This course provides students with an understanding of the properties, uses and limitations required in the drafting profession. Emphasis is on the recognition of various parameters to completing drafting tasks. Lake Worth only.

#### **COURSE DESCRIPTIONS**

#### **ETD 0138 CARTOGRAPHIC DRAFTING (PSAV)**

300 clock hours

This course prepares students to develop techniques to draft and interpret topographical maps and plat-views of highway projects. A study of computer-aided drafting related to civil engineering applications will apply. Lake Worth only.

#### **ETD 0530 ARCHITECTURAL DRAFTING I (PSAV)**

200 clock hours

This course enables students to interpret graphic and written communications. Emphasis is on actual architectural engineering working drawings and specifications for designed and built residential and commercial projects. Lake Worth only.

#### **ETD 0531 ARCHITECTURAL CAD DRAFTING (PSAV)**

550 clock hours

This specialty course prepares students for a career as a CAD technician with the ability to prepare drawings in all aspect of architecture. Lake Worth only.

#### **ETD 0532 ARCHITECTURAL DRAFTING II (PSAV)**

550 clock hours

This course prepares students to residential, multi-family and small commercial drawings. Problems presented have varied material and structural systems. Emphasis is on building codes and costs. Lake Worth only.

#### **ETD 0540 CIVIL DRAFTING (PSAV)**

600 clock hours

This course focuses on developing competence in drafting structural and civil drawings. Emphasis is on interpreting field data to produce highway construction drawings and specifications. Lake Worth only.

#### **ETD 0542 STRUCTURAL DRAFTING (PSAV)**

300 clock hours

This course is a final component of Structural Drafting. It provides the skills necessary to develop the ability in preparing "finished" drawings for customers. Lake Worth only.

#### **ETD 0601 ELECTRICAL DRAFTING (PSAV)**

600 clock hours

This course will provide the student with basic electrical knowledge and skills to draft machine controls and circuits for home and commercial projects (i.e., electrical hardware and control schematics) Lake Worth only.

#### **ETD 0622 ELECTRONIC DRAFTING (PSAV)**

600 clock hours

This course provides the student with basic knowledge of electrical circuits, solid state devices and basic power supplies. It is designed to present, through actual practice, the elements of electronic drafting and fabrication. Lake Worth only.

#### **ETD 0700 MECHANICAL DRAFTING I (PSAV)**

200 clock hours

This course is designed to provide students with the practice of engineering drafting. Emphasis is on working drawings and progressing to engineering drawings in specialized areas. Lake Worth only.

#### **ETD 0701 MECHANICAL CAD DRAFTING (PSAV)**

500 clock hours

This course prepares students for a career as professional CAD technicians. The disciplines covered emphasize the latest technology for rendering in the three dimensions of surface modeling. Lake Worth only.

**ETD 0702 MECHANICAL DRAFTING II (PSAV)**

600 clock hours

This course is a comprehensive overview of the principles and practices of mechanical drafting, beginning with the basics and progressing to the completion of production drawings. Lake Worth only.

**ETD 1100C INTRODUCTION TO TECHNICAL DRAWING (AS)**

3 credits (1 lecture hour, 3 lab hours)

Beginning course for engineering and technology covering principles of graphic language and is for students without previous mechanical drawing experience. Topics include: use and care of drawing instruments, lettering, multiview projection, sketching techniques and blueprint reading.

**ETD 1320C INTRODUCTION TO COMPUTER DRAFTING (AS)**

3 credits (1 lecture hour, 3 lab hours)

Prerequisite: ETD 1100C or equivalent

Introduces concepts and use of computer-aided drafting systems as applied to Design and Drafting Technology. Hands-on experience with AUTOCAD is the major part of the course.

**ETD 1461C MECHANICAL DESIGN I (AS)**

4 credits (3 lecture hours, 2 lab hours)

Prerequisite: ETD 1320C

The objective of this course is to develop a proficiency in the fundamentals of basic mechanical design including: (1) machine tool and manufacturing processes, (2) tolerancing, (3) threads and fasteners, (4) descriptive geometry and (5) axonometric and oblique projections.

**ETD 1528C MECHANICAL DESIGN II (AS)**

4 credits (3 lecture hours, 2 lab hours)

Prerequisite: ETD 1461C; Corequisite: ETD 2352C

The objective of this course is to develop proficiency in the fundamentals of mechanical design including (1) design concepts, (2) document and detail drawings and (3) integration and use of mechanical design computer software.

**ETD 1614C ELECTRONIC DRAFTING (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: ETD 1100C; Corequisite: ETD 1320C

The objective of this course is to develop proficiency in the fundamentals of electronic drafting including: (1) device symbols, (2) wiring, cabling and chassis drawing, (3) flow and logic diagrams, (4) printed circuit boards, (5) schematic drawings, (6) microelectronic drawings.

**ETD 1620C ELECTRICAL DRAFTING (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: ETD 1100C; Corequisite: ETD 1320C

The objective of this course is to develop proficiency in the fundamentals of electrical drafting including (1) industrial controls, (2) electrical power field, (3) electrical drawings from architecture and (4) graphical data representation. Special fee required.

**ETD 2331C AUTOLISP (AS)**

2 credits (2 lecture hours, 2 lab hours)

Prerequisites: ETD 1320C, ETD 2350C

Introduces use, programming and debugging AutoLISP programs.

**ETD 2332C CUSTOMIZING AUTOCAD (AS)**

2 credits (2 lecture hours, 2 lab hours)

Prerequisites: ETD 1320C, ETD 2350C

Operation, setup, editing, debugging menus, scripts, slides, fonts, hatch patterns and LISP routines. Includes DOS editors, flowcharting and debugging.

**ETD 2350C ADVANCED COMPUTER DRAFTING (AS)**

3 credits (1 lecture hour, 5 lab hours)

Prerequisite: ETD 1320C or equivalent experience

Continuation of computer-aided drafting and design as applied to the student's special field of interest (civil, architectural or mechanical).

**ETD 2352C MODELING IN 3D (AS)**

2 credits (3 lecture hours, 1 lab hour)

Prerequisites: ETD 1320C, ETD 2350C

This course covers how to define, setup, modify, and analyze 3D models in AUTOCAD focusing on AME commands and supplied routines. (8 week express term)

**ETD 2377C 3D STUDIO MAX I (AS)**

3 credits (2 lecture hours, 2 lab hours)

3D Studio Max represents a comprehensive introduction to image creation and animation. The student will learn how to create complex models, apply material to objects, place lights and cameras, render images and animation.

**ETD 2378C 3D STUDIO MAX II (AS)**

3 credits (2 lecture hours, 2 lab hours)

3D Studio Max II expands on the rendering and animation foundation established in 3D Studio Max I. This course takes special note of what is important for modeling and texturing architectural and mechanical models, characters, engineering visualization, virtual reality and Internet Web sites.

**ETG 2537C PROPERTIES AND TESTING OF MATERIALS (AS)**

4 credits (3 lecture hours, 2 lab hours)

Characteristics and physical properties of materials are investigated along with basic mechanics includes techniques on machines used for physical testing in industry. Topics include stress, strain, elasticity, types of failure, structure and application of ferrous and nonferrous metals, organic and inorganic materials and compounds.

**ETI 2633 INDUSTRIAL RELATIONSHIPS (AS)**

3 credits (3 lecture hours)

Practical understanding of union organization, industrial organization (large and small), and employer-employee relationships are covered. Information on acquiring and holding an entry position including writing of personal data sheet is presented.

**FFP 0005 FIRE FIGHTER (PSAV)**

450 clock hours

This course is designed to train individuals to be eligible for certification as a firefighter in the State of Florida. Upon successful completion the student will receive from the state of Florida a certificate of compliance. This is a necessary prerequisite for full time employment in the fire service in Florida.

**FFP 1200 FIRE PREVENTION (AS)**

3 credits (3 lecture hours)

Organization and function of fire prevention; inspection, surveying and mapping procedures; recognition of fire hazards are presented. Emphasis is on engineering solutions to fire hazards; enforcing fire prevention; public relations as affected by fire prevention.

**FPP 1600 FIRE APPARATUS AND EQUIPMENT (AS)**

3 credits (3 lecture hours)

Fire-protection organization and equipment, basic fire-fighting tactics, public relations as affected by fire protection.

**FPP 1620 PRIVATE FIRE PROTECTION SYSTEMS (AS)**

3 credits (3 lecture hours)

The functions and general design principle of gaseous and solid particle suppression systems are presented. A review of standards and principles of installation of detection, signaling and communication systems. A review of the principles, characteristics, and limitations of extinguishing agents.

**FPP 1640 FIRE HYDRAULICS (AS)**

3 credits (3 lecture hours)

Review of mathematics, hydraulic laws and formulas applied to fire service. Application of formulas and mental calculation to hydraulic problems are presented.

**FPP 2100 FIRE SERVICE ADMINISTRATION (AS)**

3 credits (3 lecture hours)

Fundamentals of fire department management including organization, manning schedules, management of personnel and resources, water supplies, tactics for multiple companies, training, communications, records and reports, public relations. AIA grading schedule and maintenance of buildings and equipment are covered.

**FPP 2101 ADVANCED FIRE SERVICE ADMINISTRATION (AS)**

3 credits (3 lecture hours)

For the fire service career employee who is seeking advancement in the administrative track, this course provides training in government budgeting and accounting. Interlocal agreements, privatization and consolidation, Florida Statutes 633, 447 and 401, state and federal OSHA standards, NFPA 1500, public personnel management and labor relations.

**FPP 2130 COMPANY OFFICER LEADERSHIP I (AS)**

3 credits (3 lecture hours)

Basic aspects of leadership including leadership style, communications, group dynamics, individual behavior, motivation, and types of management used in fire service.

**FPP 2135 COMPANY OFFICER LEADERSHIP II (AS)**

3 credits (3 lecture hours)

Prerequisite: FPP 2130 or equivalent  
This is the second of a two-part program in principles of leadership. Includes aspects of group dynamics, group behavior, motivation, planning and employee performance rating. Includes the topics of decision-making and problem solving.

**FPP 2150 INSTRUCTIONAL METHODOLOGY (AS)**

3 credits (3 lecture hours)

Principles, procedures, and techniques of teaching are presented with emphasis on methods of instruction, developing training outlines, use of visual aids and testing procedures.

**FPP 2240 FIRE INVESTIGATION AND ARSON DETECTION (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: FIL 1200

Enrollment limited to fire service and law enforcement agencies. Official identification required. Covers detection of point of origin of fire, cause and spread of fire, report writing, interviewing, arson

detection, collection and applications of software and computer languages as they pertain to scriptwriting, storyboarding, production, scheduling and cost control, project inventory and graphics.

**FPP 2300 RELATED FIRE CODES AND STANDARDS (AS)**

3 credits (3 lecture hours)

National, state and local laws and ordinances in fire prevention and protection.

**FPP 2320 BUILDING CONSTRUCTION FOR FIRE PROTECTION (AS)**

3 credits (3 lecture hours)

Fundamental building construction and design, fire protection features and special considerations.

**FPP 2326 BLUEPRINT READING AND PLAN EXAMINATION (AS)**

3 credits (3 lecture hours)

Blueprint reading and plan examination offered through the Florida State Fire College.

**FPP 2410 FIRE SERVICE TACTICS AND STRATEGIES (AS)**

3 credits (3 lecture hours)

Strategies for controlling emergency situations including fires inside buildings, high-rise fires, hazardous material incidents, and mass casualty incidents are presented.

**FPP 2500 HAZARDOUS MATERIALS FOR EMERGENCY OPERATIONS (AS)**

3 credits (3 lecture hours)

Basic hazardous materials identification, incident control techniques, personnel safety, environmental and basic chemistry.

**FPP 2501 HAZARDOUS MATERIALS FOR EMERGENCY OPERATIONS II (AS)**

3 credits (3 lecture hours)

A continuation of FPP 2500, the curriculum in this course delves into the identification of hazardous materials, their properties and modes of transportation of hazardous materials.

**FIL 1200 MOTION PICTURE AND TELEVISION PRODUCTION I (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101

New students study the filmmaking process from concept to completion with special emphasis placed on the relationship between various job categories and the 16mm camera. Special fees required.

**FIL 1620C COMPUTER APPLICATIONS FOR FILM, TELEVISION AND VIDEO (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: FIL 1200

Applications of software and computer languages as they pertain to script writing, storyboarding, production, scheduling and cost control, project inventory and graphics. Special fee required. Palm Beach Gardens only.

**FIL 2000 INTRODUCTION TO FILM COMMUNICATION (AA)**

3 credits (3 lecture hours)

This course will serve as an introduction to techniques and contributors of filmmaking. Film as 20th century communication, emphasizing formal elements, will be studied through analysis of feature-length films of different nations, styles, themes, and genres.

**FIL 2100 WRITING FOR FILM AND TELEVISION (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121

A writing course covering scriptwriting as applied to film, television and video production. Additionally the course provides an opportunity for students to present their scripts before an audience.

**FIL 2202C MOTION PICTURE AND TELEVISION PRODUCTION II (AS)**

4 credits (1 lecture hour, 6 lab hours)

Prerequisites: FIL 2271C, FIL 2272C, FIL 2273C, FIL 2275C and FIL 2211C

Through demonstrations and lectures given by an instructor and professional film and television personnel, the student will develop the competencies related to film and television production. This film production course provides an opportunity for students to demonstrate the knowledge and skills obtained through participation in the Film, Television and Video Technology program. The students will participate as crew members in the production of a student or professional film or video project. Special fee required. Palm Beach Gardens only.

**FIL 2211C EDITING AND POST-PRODUCTION (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: FIL 1200

This course is designed to acquaint students with the techniques and other aspects of aesthetics of video and film editing. Emphasis is placed on both visual and audio post production. Special fee required. Palm Beach Gardens only.

**FIL 2940L EDITING AND POST-PRODUCTION INTERNSHIP (AS)**

1 credit (2 lab hours)

Prerequisite: FIL 2211C

This course is designed to provide hands-on experience in the competencies of video and film editing. Demonstrations will be given to familiarize the student with the equipment and techniques used in post-production. Special fee required. Palm Beach Gardens only.

**FIL 2271C CAMERA TECHNIQUES (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: FIL 1200

This course introduces the competencies expected to successfully operate video and film cameras. This course is offered through a series of lectures, demonstrations and laboratory sessions. Special fee required. Palm Beach Gardens only.

**FIL 2271L CAMERA INTERNSHIP (AS)**

1 credit (2 lab hours)

Prerequisite: FIL 2271C

This course is designed to provide experience in the competencies of film and video camera operation. Demonstrations will be given as to the execution of shooting activities using standard industry camera equipment. Special fee required. Palm Beach Gardens only.

**FIL 2272C LIGHTING TECHNIQUES (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: FIL 1200

A study of film and video lighting techniques, practices and equipment, including lighting theory, power distribution systems and color theory. Special emphasis is placed on working as part of the film and video production crew. Special fee required. Palm Beach Gardens only.

**FIL 2272L LIGHTING INTERNSHIP (AS)**

1 credit (2 lab hours)

Prerequisite: FIL 2272C

This course is designed to provide hands-on experience in the execution of lighting for film or video production. Emphasis is on the equipment, hanging, placing, gelling and reading of lighting plots. Demonstrations will be given as to what lighting is required in various scenes. Special fee required. Palm Beach Gardens only.

**FIL 2273C GRIPPING (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: FIL 1200

This course will teach the basics of the grip craft through a series of sessions that include lectures, demonstrations and labs. Special fee required.

**FIL 2273L GRIPPING INTERNSHIP (AS)**

1 credit (2 lab hours)

Prerequisite: FIL 2273C

This course is designed to provide work experience in the area of gripping or utility. Emphasis is placed on the proper use and maintenance of the equipment. Special fee required. Palm Beach Gardens only.

**FIL 2275C SOUND (AS)**

3 credits (1 lecture hour, 4 lab hours)

Prerequisite: FIL 1200

This course focuses on the theory and practice of production and post-production film and video sound. Special emphasis is placed on working as part of the film production crew. Special fee required. Palm Beach Gardens only.

**FIL 2275L SOUND INTERNSHIP (AS)**

1 credit (2 lab hours)

Prerequisite: FIL 2275C

This course is offered to provide work experience in the area of sound production for film or video. Emphasis will be placed on equipment operations. Special fees required. Palm Beach Gardens only.

**FIL 2400 HISTORY OF MOTION PICTURES (AA)**

3 credits (3 lecture hours)

This course introduces the student to the evolution of the motion picture through lectures and screening of selected films. The focus is on specific movements, individuals and developments in cinema during various periods in the history of film.

**FIL 2932 THE BUSINESS OF FILM, TELEVISION AND VIDEO (AA)**

1 credit (1 lecture hour)

Prerequisite: FIL 1200

This course introduces the student to the basic principles of business as they apply to film, television, and video production. The course introduces basic entertainment contracts and following trends through research and reading industry publications. Palm Beach Gardens only.

**FIN 2100 PERSONAL FINANCE (AS)**

3 credits (3 lecture hours)

Prerequisite: FIL 1200

This course provides a survey of the areas of personal economic problems with which all individuals must contend in our society. Topics will guide students toward obtaining favorable results in buying on credit, borrowing money, using bank services, investing savings, selecting insurance coverage, home orienting, investing in stocks and bonds, income tax planning, retirement planning, estate planning, wills and trusts.

**FOS 1201 FOOD SERVICE SANITATION (AS)**

2 credits (2 lecture hours)

Basic sanitation principles and applications covering management of a sanitary environment, regulations, standards, and accident prevention are presented.

**FRE 1120 ELEMENTARY FRENCH I (AA)**

4 credits (4 lecture hours)

This course helps students develop proficiency in the four language skills. Students who have completed French 1120 will have mastered the basic vocabulary and structures of the French language and will have achieved an appreciation of the breadth of the French-speaking world. Honors credit is available.

**FRE 1121 ELEMENTARY FRENCH II (AA)**

4 credits (4 lecture hours)

Prerequisite: FRE 1120 or equivalent

This course is a continuation of French 1120 and helps students continue to develop proficiency in the four language skills. Students who have completed French 1120 will have mastered the basic vocabulary and structures of the French language and will have achieved an appreciation of the breadth of the French-speaking world. Honors credit is available.

**FRE 2200 INTERMEDIATE FRENCH I (AA)**

3 credits (3 lecture hours)

Prerequisite: FRE 1121 or equivalent

In-depth comprehension of grammar and composition with attention to pronunciation. Vocabulary building is emphasized along with written exercises and conversation.

**FRE 2201 INTERMEDIATE FRENCH II (AA)**

3 credits (3 lecture hours)

Prerequisite: FRE 2200 or equivalent

This course is a continuation of FRE 2200. Advanced grammar and composition are enhanced through translating, writing of themes, and conversing are covered. Appreciation of life and culture of native speakers is attained through lectures, reading and discussions of the history of France.

**FRE 2240 INTERMEDIATE CONVERSATIONAL FRENCH I (AA)**

3 credits (3 lecture hours)

Prerequisite: FRE 1121 or equivalent

Develops conversational skills, intensive oral practice, and vocabulary building.

**FRE 2241 INTERMEDIATE CONVERSATIONAL FRENCH II (AA)**

3 credits (3 lecture hours)

Prerequisite: FRE 2240 or equivalent

Develops conversational skills, intensive oral practice, and vocabulary building.

**FSS 1100 MENU PLANNING AND MERCHANDISING (AS)**

3 credits (3 lecture hours)

Menu planning design, pricing with knowledge of proper advertising and merchandising of the food-service facility are emphasized.

**FSS 1210C ELEMENTS OF FOOD SCIENCE AND TECHNIQUES (AS)**

3 credits (2 lecture hours; 2 lab hours)

This course provides basic information on characteristics of foods, principles of food selection, techniques of preparation and meal management. The course objective is to obtain skills and information needed to maximize nutrition, time and cost control in food handling. Lake Worth only.

**FSS 1220 PROFESSIONAL COOKING (AS)**

2 credits (2 lecture hours)

Prerequisite or corequisite: FOS 1201; Corequisite: FSS 1220L Basic terms, tools, and techniques are to be taught with the professional kitchen in mind.

**FSS 1220L PROFESSIONAL COOKING LAB (AS)**

1 credit (1 lab hour)

Corequisite: FSS 1220

Basic terms, tools, and techniques are to be taught with the professional kitchen in mind.

**FSS 1221C QUANTITY FOOD PRODUCTION I (AS)**

4 credits (2 lecture hours, 4 lab hours)

Prerequisite: FSS 1210C, or FSS 1220 and FSS 1220L Practical experience in handling tools, materials, and equipment includes food preparation and menu planning for large numbers of people with emphasis on institutional cooking, recipe conversions, production sheets, food costing and recipe-file development.

**FSS 1222C QUANTITY FOOD PRODUCTION II (AS)**

4 credits (2 lecture hours, 4 lab hours)

Prerequisite: FSS 1221C

This is a continuation of FSS 1221C. Students spend time as managers and production personnel. Proper management skills, production and planning are emphasized.

**FSS 1270 UNDERSTANDING WINE AND SPIRITS (AS)**

3 credits (3 lecture hours)

This course will present an overview of the wine and spirits trade. Beginning with the basics of growing grapes and making wine, learning the regions of wine making, and labeling and bottling procedures. Beers and spirits from brewing to distilling will also be studied.

**FSS 1300 INTRODUCTION TO FOOD SERVICE MANAGEMENT (AS)**

3 credits (3 lecture hours)

Covers food service management industry operations, stressing fundamentals of organization, methods of planning, organizing, scheduling, training, labor and cost control. Development and use of departmental forms will be analyzed. Principles of sanitation and safety will be included.

**FSS 2100 PURCHASING FOR THE HOSPITALITY INDUSTRY (AS)**

3 credits (3 lecture hours)

Emphasis on selection and specification requirements for purchasing food including fruit, vegetables, meats and grocery items; food-service standards and specifications, food items and paper and alcoholic beverages will be discussed.

**FSS 2246C BAKING (AS)**

4 credits (2 lecture hours, 4 lab hours)

Prerequisite: FSS 1220 and FSS 1220L or instructor permission required. Fundamentals of baking involving preparation of yeast rolls, bread, pies, cakes, cookies, tarts, doughnuts, holiday specialties, and torten. Proper use and care of equipment, sanitation and hygienic work habits and conformance with health laws are emphasized.

**FSS 2248C PASTRY AND GARDE MANGER I (AS)**

4 credits (2 lecture hours, 4 lab hours)

Prerequisite or corequisite: FSS 1221C

Basic garde manger principles including functions and duties of the

department as it relates to other kitchen operations. Focus is on specialty work including buffet decorations, understanding equipment and area planning.

**FSS 2249C PASTRY AND GARDE MANGER II (AS)**  
4 credits (2 lecture hours, 4 lab hours)

Prerequisite: FSS 1210C, FSS 1221C, FSS 2248C  
Stresses specialty work of the garde manger, including tallow, ice sculpting, centerpieces, buffets and decorations, aspic and chaud froid work. Buffet planning and production are discussed.

**FSS 2500 FOOD AND BEVERAGE COST CONTROL (AS)**  
3 credits (3 lecture hours)

Cost control systems of hotels and restaurants in purchasing, allocation, and use of foods and beverages for profitable operations.

**GCO 2230 PUMPING AND IRRIGATION SYSTEMS (AS)**  
3 credits (3 lecture hours)

Irrigation principles and equipment used in horticulture including water requirements of plants, design and layout, pumps and valves, installation, trouble shooting and job estimating for residential and commercial sites.

**GCO 2405 ADVANCED TURF CULTURE I (AS)**

3 credits (3 lecture hours)

Prerequisite: ORH 2220

Students are provided with in-depth knowledge and skills for the intensive management of golf-course turf. Cultural practices used on golf courses along with budgeting, environmental sensitivity and tournament preparation are emphasized.

**GCO 2406 ADVANCED TURF CULTURE II (AS)**

3 credits (3 lecture hours)

Prerequisites: ORH 2220, GCO 2405

This second course in advanced turf culture provides an in-depth study of golf course pest management and irrigation systems.

**GEB 1011 INTRODUCTION TO BUSINESS (AA)**

3 credits (3 lecture hours)

Objectives include: (1) give beginning business student an opportunity to learn about business in its entirety before studying each of its parts intensively, (2) develop a technical vocabulary for use in later courses and in reading business periodicals, (3) acquire a better understanding of the workings of the free enterprise system and (4) identify career opportunities.

**GEO 1010 PRINCIPLES OF GEOGRAPHY AND CONSERVATION (AA)**

3 credits (3 lecture hours)

This course is an introduction to cultural and world geography through a study of selected regions. Ecological and conservational problems are emphasized with an explanation of geographical materials and uses. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. Gordon Rule writing requirement minimum 2,000 words and a demonstration of computer application are required. A grade of C or higher is required for this course to be used as a General Education course. Distance-learning section may be available.

**GER 1120 ELEMENTARY GERMAN I (AA)**

4 credits (4 lecture hours)

Focusing on conversational patterns, this course emphasizes modern

German as a spoken, written and read language. Grammatical discussions are kept minimal as a communicative approach dominates. In-class discussions, cultural and literary readings and optional e-mail and German chat brings alive the Germanic culture. Optional Internet component and Honors credit available. Lake Worth only.

**GER 1121 ELEMENTARY GERMAN II (AA)**

4 credits (4 lecture hours)

Prerequisite: GER 1120 or equivalent

This is a continuation of GER 1120. Speaking, listening, reading and writing German continue as the course is taught in German by mid-semester. Students will converse, read, and write on a wide range of culturally relevant topics. Optional Internet component and Honors credit available.

**GER 2200 INTERMEDIATE GERMAN I (AA)**

3 credits (3 hours lecture)

Prerequisite: GER 1121 or equivalent

Taught in German, GER 2200 is an in depth analysis of intermediate conversational, grammatical and written structures linked through cultural, literary and oral traditions. Students will converse on free-flow and focused topics and will write personal and business letters, memos and advanced e-mail. Optional Internet component and Honors credit available.

**GER 2201 INTERMEDIATE GERMAN II (AA)**

3 credits (3 lecture hours)

Prerequisite: GER 2200 or equivalent

Taught in German, GER 2201 is an in depth analysis of advanced conversational, grammatical and written structures linked through cultural, literary and oral traditions. Students will be able to converse (on the phone as well as in class) on a wide spectrum of topics. Students will write creatively in German. Optional Internet component and Honors credit available.

**GEY 2000 GERONTOLOGY (AS)**

3 credits (3 lecture hours)

A practical human services approach to gerontology for the beginning professional. This study of aging includes psychological, sociological and biological factors related to the process of growing old. Special emphasis is placed on demography, income, employment, physical health, mental health, housing, transportation, and criminal victimization. Also included are the Older Americans Act, the Area Councils on Aging and Multi-purpose Human Services Resources (local, state and national). The course is designed to meet the needs of those already working in the field who are seeking increased knowledge and skills, as well as more positive attitudes. It is also for the beginner in the field of human services.

**GLY 1000 DESCRIPTIVE GEOLOGY (AA)**

3 credits (3 lecture hours)

The materials, structure, and surface of Earth and processes that produced or shaped them are covered. Laboratory exercises, demonstrations, and field trips are included. A grade of C or higher is required for this course to be used as a General Education course.

**GRA 0010 BASIC COMPUTER OPERATIONS FOR COMMERCIAL ART (PSAV)**

70 clock hours

This is an introduction to the use of Windows. Lessons will include: customizing the desktop, file management, controlling applications and navigation of control panels, and accessories operations and scanning.

**GRA 0011 PREFLIGHT (PSAV)**

70 clock hours

This course is designed to provide students with an understanding of the terminology and practices used in the electronic prepress industry. Students will learn how to prepare files for film output and to minimize potential file problems. Students will visit industry sites to observe practices firsthand.

**GRA 0040 PRINT HISTORY AND FORMATS (PSAV)**

20 clock hours

This course is designed to show the student how printing had its start and how it has been developed to meet different needs in the printing market. Typographic terms will be linked to traditional letterpress printing.

**GRA 0043 GRAPHIC REPRODUCTION (PSAV)**

93 clock hours

This course is designed to explain and demonstrate the conventional methods used to produce printed products. This course will include: an introduction to safety in the workplace, graphic measurements, color proofing, prepress activities, process camera work, photo modification, graphic film processing, layout and imposition, stripping, an explanation of substrates and inks, finishing and binding techniques.

**GRA 0052 SILKSCREENING (PSAV)**

60 clock hours

The student will be shown how to assemble a stencil for silkscreen printing and then print out illustrations and typographic designs using the photo silkscreening technique on a variety of substrates. The student will prepare the stencil and transfer the emulsion to the screen. The student will get an overview of the commercial art printing processes: flexography, letterpress and gravure and lithography. Students will take a field trip to a commercial screen printing company. The student will also examine the safety requirements of a commercial silkscreen shop.

**GRA 0053 VINYL SIGNMAKING (PSAV)**

60 clock hours

The class will cover the principles of sign design which are meant to guide the professional in attaining a successful end product. Topics such as sign location and visibility, the message, letter size, color, type style, logo or graphics, layout and special effects will be considered. Knowledge of the materials used in sign making will be discussed. Learn about the products used in the vinyl sign industry. Become acquainted with all the possible variations of this particular type of material. Become familiar, too, with the variety of surfaces you can apply the vinyl product to such as: metal, plastic, sign blanks and laminated banners, corrugated plastic sheets, MDO (Medium Density Overly) plywood, glass windows, vehicle surfaces and magnetic media. The student will learn to operate a desktop vinyl cutter with compatible computer software.

**GRA 0061 PROJECT MANAGEMENT (PSAV)**

20 clock hours

This course will help students prepare for the managerial side of the graphic design field by teaching them the ills of scheduling jobs and giving accurate quotes for work performed.

**GRA 0062 ART MARKETING (PSAV)**

60 clock hours

This course will help students prepare for the job market. Students will learn the importance of self-promotion, the how-to's of self-promotion and will create a self-promotional piece.

**GRA 0063 PROFESSIONAL DEVELOPMENT FOR COMMERCIAL ART (PSAV)**

15 clock hours

In this course the student will learn basic job hunting skills. Students will prepare a resume, prepare for a job interview, write a cover letter and present their portfolio.

**GRA 0064 MARKETING FOR THE FREELANCE ARTIST (PSAV)**

30 clock hours

Tips, techniques, and procedures for starting up and running a successful creative-services business are presented.

**GRA 0070 HISTORY OF GRAPHIC DESIGN (PSAV)**

30 clock hours

This course provides a history of graphic communication, covering the evolution of graphic design over the past decade. The field of graphic design is a vital component of each culture and period in human history and in this course students will see a panorama of people and events unfold.

**GRA 0071 CORELDRAW (PSAV)**

1300 clock hours

This course is designed to provide students with skills in layout in single and multi-page documents. Students will learn to apply typographic formats to columns, create headers/footers. Students will be able to save files in a variety of formats and publish files to PDF and Web, control the flow of text, control kerning and leading, import and export images.

**GRA 0072 ILLUSTRATION (PSAV)**

70 clock hours

The student will begin by learning the basics of freehand drawing, its tools, techniques, and media. The student will learn how to reproduce these drawings using the computer and vector based software. The student will also learn to conceptualize ideas in storyboard format.

**GRA 0073 QUARKXPRESS FOR COMMERCIAL ART (PSAV)**

70 clock hours

This course is designed to provide students with an understanding of traditional art design and QuarkXPress software. Students will use this understanding to design advertising posters, using both hand-rendered methods and QuarkXPress.

**GRA 0075 PHOTOSHOP FOR COMMERCIAL ART (PSAV)**

70 clock hours

This course is designed to provide students with skills that will enable them to manipulate digital images using Adobe Photoshop software. Students will learn how to use a digital camera, how to scan images into the computer and how to download images. Students will then work in Photoshop to manipulate these images.

**GRA 0076 DIGITAL ILLUSTRATION (PSAV)**

70 clock hours

This course is designed to provide students with skills that will enable them to edit basic graphics and to prepare them for print. Students will become familiar with the prepress process, Adobe Illustrator and will learn fundamental design principles using traditional, digital and contemporary methods of execution.

**GRA 0081 TECHNICAL WRITING FOR COMMERCIAL ART (PSAV)**

50 clock hours

This course is designed to instruct students in communication skills in the classroom and on the job. Lessons will concentrate on inter-

preting and verbal instructions, developing an outline, writing memoranda, directions or instructions and descriptions; presenting visual information, composing business letters, preparing a resume and writing a proposal.

#### **GRA 0082 COPYEDITING (PSAV)**

1300 clock hours

The responsibilities of copyediting include: proofreading existing copy, applying typographical formats and style attributes: size, style, spacing. A copy editor must be able to download documents into varied formats and understand printing as well as graphic trade terminology. The copy editor must be proficient in a desktop program, able to import and output documents, create text conversion. A copy editor must be able to create and apply style sheets to word processed documents.

#### **GRA 0083 BUSINESS MATHEMATICS FOR COMMERCIAL ART (PSAV)**

50 clock hours

The student will apply mathematics skills to business applications: banking, sales records, percentages, finance charges, payroll and taxes. Statistics, as they apply to marketing a target population will be covered. The student will prepare financial statements, review types of insurance, bonds and understand compound interest. Students will track a stock portfolio through the duration of the class. Pension plans and annuities will be discussed.

#### **GRA 0085 INTERNET BASICS FOR COMMERCIAL ART (PSAV)**

30 clock hours

This course will prepare the student to use the Internet for electronic communication. Students will learn how to get connected to the Internet, use e-mail, attach files, forward files, save and forward links, establish a home page, set browser preferences, perform research using search engines and create a personal Web page for self promotion. The student will also study copyright law as it applies to downloading and the use of images and reference materials.

#### **GRA 0086 ADVANCED INTERNET SKILLS FOR COMMERCIAL ART (PSAV)**

70 clock hours

This course is designed to provide students with skills that will enable them to download files from the Internet, find and use information from a bulletin board and gain a basic understanding of Web page design.

#### **GRA 0087 BASIC MACINTOSH TROUBLESHOOTING SKILLS (PSAV)**

70 clock hours

This course is designed to provide students with an understanding of how to solve common problems encountered while using computers. Students will gain troubleshooting skills for Macintosh computers.

#### **GRA 0088 WEB DESIGN FOR COMMERCIAL ART (PSAV)**

50 clock hours

The student will be able to create a home page with links using basic HTML and software. The student will be instructed in the use of hexadecimal color and saving formats appropriate for Web design. The student will use DreamWeaver and SimpleText to design Web pages.

#### **GRA 0089 COLOR THEORY FOR COMMERCIAL ART (PSAV)**

30 clock hours

This course is designed to teach the student color theory. The student will learn how to calibrate color between the monitor, scanner and printer. The student will learn how to keep color consistent throughout a project.

#### **GRA 1530C TYPOGRAPHY (AS)**

3 credits (2 lecture hours, 2 lab hours)

This course covers the historical development of printed type, copyfitting, type classification and recognition, typographic elements and special skills as they relate to current electronic publishing software. Students will be introduced to type as a design element and will learn how to solve typographic problems. Special fee required.

#### **GRA 2121C MACINTOSH PUBLISHING I (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: GRA 2800C or permission of department chair This introductory course is a desktop publishing course for those seeking experience in typesetting and layout for the publishing industry. This course is of great importance to those in the AS degree program in Graphic Design. Special fee required.

#### **GRA 2122C MACINTOSH PUBLISHING II (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: GRA 2151C or permission of department chair This course covers the application of electronic publishing skills in a variety of graphic design projects for the purpose of building a comprehensive portfolio. Students will create, import, and arrange various components to create multi-page documents. Keyboard shortcuts will be stressed to encourage speed and accuracy. Special fee required.

#### **GRA 2151C MACINTOSH ILLUSTRATION I (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: GRA 2800C or permission of department chair This course provides an overview of illustration software as applied to the Macintosh computer. The course covers various methods of creating and editing objects and paths as well as integrating designs with images and text. Special fee required.

#### **GRA 2152C MACINTOSH ILLUSTRATION II (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: GRA 2151C or permission of department chair This course provides a comprehensive overview of illustration software as applied to the Macintosh computer. The course builds on the technical information learned in Macintosh Illustration I but offers more opportunity for creative expression. The student will design his/her own 2- and 3-D original projects. Special fee required.

#### **GRA 2800C INTRODUCTION TO MACINTOSH GRAPHICS (AS)**

3 credits (2 lecture hours, 2 lab hours)

Pre/Corequisites: ART 1210C, ART 1300C

An introductory course in the use of the Macintosh computer as a graphic design tool. The student will learn how to navigate on a Macintosh and take advantage of its operating software features. Care and maintenance will also be covered, as well as the basics of three mainstream graphics applications. Special fee required.

#### **GRA 2811C MACINTOSH IMAGE CREATION I (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: GRA 2800C or permission of department chair This course provides students an opportunity to advance their design skills by using digital image editing software as applied to the Macintosh computer. The course covers the implementation of basic creative options such as image creation and manipulation, color correction, and retouching through the use of layers and various selection methods. Special fee required.

#### **GRA 2812C MACINTOSH IMAGE CREATION II (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: GRA 2811C

This intermediate course will expand upon the information gained in GRA 2811C Macintosh Image Creation I, covering the more advanced creative options offered in the digital image editing software. Emphasis will be placed on problem solving, advanced retouching, color correction, and various creative advertising techniques. Special fee required.

#### **GRA 2940 GRAPHIC DESIGN INTERNSHIP (AS)**

3 credits (5 lab hours)

Prerequisite: All other Graphic Design courses required for Graphic Design Technology program. A 3.0 minimum GPA in major graphic design courses and approval of department chair.

Upon becoming employed by a graphic design firm, the intern works in a studio setting such as a print shop, advertising agency, advertising department, etc., of a company or in a commercial printing business and is involved in duties associated with the graphic arts profession for a period of not less than six weeks, not more than 12 weeks or 220-300 hours to secure credit for the internship.

#### **HCP 0001 HEALTH SCIENCE (PSAV)**

78 clock hours

This course provides a basic overview of the health care delivery system and the roles of the different health care team members. The student will be introduced to concepts and principles common to all health careers. The curriculum includes CPR for the health care provider. Liability insurance required.

#### **HCP 0104 NURSING ASSISTANT FOR NURSING HOMES (PSAV)**

120 clock hours

This course is designed to prepare students for employment as nursing assistant, nursing aides, and orderlies, nurses aides in nursing homes. Students will perform nursing skills in the clinical and/or simulated laboratory settings under the supervision of a qualified registered nurse instructor. The content includes, but is not limited to, interpersonal skills, medical terminology, legal and ethical responsibilities, safe and efficient work, gerontology, nutrition, pet facilitated therapy, health and safety including Cardio-Pulmonary Resuscitation (CPR)-heart saver level, and employability skills.

#### **HCP 0300 HOME HEALTH AIDE (PSAV)**

50 clock hours

This course introduces the student to the concept of the management of the patient in the home that includes physical comfort and safety, nutrition and legal and ethical responsibilities. Liability insurance required.

#### **HCP 0620 PATIENT CARE ASSISTANT (PSAV)**

75 clock hours

This course introduces the student to required patient care skills related to the hospital setting for both pre-operative care and post-operative care. Liability insurance required.

#### **HEV 0104 40-HOUR CHILD CARE CERTIFICATION (PSAV)**

40 clock hours

This course fulfills the 30 and the 210-hour requirements for the child care worker certification necessary for employment in a licensed child care facility. The course content includes local rules and regulations, child abuse and neglect, health, safety and nutrition, child growth and development, behavioral observation and screening, and developmentally appropriate practices for young children.

#### **HEV 0150 CDA MODULE I (PSAV)**

40 clock hours

The first module of the Child Development Associate (CDA) program introduces the student to the CDA credentialing process. The student will receive formal instruction in these competencies: professionalism, health and safety and the learning environment. The student will also prepare a professional resource file.

#### **HEV 0151 CDA MODULE II (PSAV)**

40 clock hours

The second module of the CDA program focuses on the following competencies: physical and cognitive development, language development and communications skills and creative development. The student will continue preparing the professional resource file with observations of children in the candidate's own classroom.

#### **HEV 0152 CDA MODULE III (PSAV)**

40 clock hours

This third module in the CDA program covers the following competencies: profile management, family relationships and strategies to support social and emotional development. CDA observation course (HEV 0160) is required during this module. Prior to registering for Module III, students will provide documentation of all requirements.

#### **HEV 0160 CDA OBSERVATION (PSAV)**

2 clock hours

This observation is a required component of the CDA credential in the state of Florida and for the national credential. This observation of the candidate by an early childhood professional will be conducted during Module III. Areas of competency observed correspond to the curriculum competencies in all three modules.

#### **HFT 1000 INTRODUCTION TO THE HOTEL AND RESTAURANT BUSINESS (AS)**

3 credits (3 lecture hours)

Historical development of the hospitality business; compare present scope of the business at the national, state and county level; differentiate departmental and job responsibilities in hotels and restaurants. Covers food service management industry operations along with sanitation and safety practices in hospitality.

#### **HFT 1630 MANAGEMENT OF SECURITY IN HOTEL AND RESTAURANT BUSINESS (AS)**

3 credits (3 lecture hours)

This course explains the issues surrounding the need for individualized security programs, examines a wide variety of security and safety equipment and procedures, discusses guest protection and internal security for asset protection and outlines OSHA regulations that apply to lodging properties. Lake Worth only.

**HFT 1700 TOURISM AND THE HOSPITALITY INDUSTRY (AS)**

3 credits (3 lecture hours)

Provides basic knowledge of tourism-related concepts and practical experience for the hospitality industry.

**HFT 1850C DINING ROOM MANAGEMENT (AS)**

3 credits (2 lecture hours, 4 lab hours)

Prerequisite or corequisite: FOS 1201

This course blends theory and application. In the classroom, proper dining room procedures for director of service, dining room captain, waiter/waitress and dining room attendant. In the laboratory hospitality management training center, the student performs, on rotation, functions and responsibilities of each position including procedures for different types of service (plate service, family style, buffet service, platter service, cart service, banquet type and others); purchase and maintenance of chinaware, glassware, silverware and linen, wine and beverage service, sanitation and safety and in-service management.

**HFT 1949C CO-OP: HOSPITALITY MANAGEMENT I (AS)**

3 credits (1 lecture hour, 10 lab hour)

Prerequisite: Department chair permission

This coordinated work-study program reinforces educational and professional growth through parallel involvement in classroom studies and field experience. The student and teacher-coordinator determine objectives or on-the-job hospitality management assignment. The student is evaluated by the teacher-coordinator and immediate supervisor.

**HFT 2220 PERSONNEL MANAGEMENT PRACTICES (AS)**

3 credits (3 lecture hours)

Basic principles and analysis of managerial problems, including job analysis methods, selection, control and supervision of personnel including work plans and schedules, labor and cost control, legal requirements and safety controls.

**HFT 2300 HOUSEKEEPING MANAGEMENT (AS)**

3 credits (3 lecture hours)

A survey course providing a general understanding of the organization, duties and administration of institutional housekeeping includes interior decoration, purchase of furniture, carpeting, linens and supplies.

**HFT 2410 HOTEL-MOTEL FRONT OFFICE AND PROCEDURES (AS)**

3 credits (3 lecture hours)

This course provides a study of functions, procedures and organization of front office department in a medium and large hotel. The emphasis is on reservations and front-office psychology.

**HFT 2434 CLUB MANAGEMENT (AS)**

3 credits (3 lecture hours)

This course covers the basic management of clubs and resorts, private and semi-private clubs and resorts, and the differences in managing a club versus restaurants or hotels.

**HFT 2510 SALES PROMOTION AND ADVERTISING IN HOTELS AND FOOD SERVICE ESTABLISHMENTS (AS)**

3 credits (3 lecture hours)

The study of marketing principles associated with the promotion of lodging and food service businesses.

**HFT 2949C CO-OP: HOSPITALITY MANAGEMENT II (AS)**

3 credits (1 lecture hour, 10 lab hour)

Prerequisites: HFT 1949C, department chair permission  
This course is a continuation of HFT 1949C.

**HLP 1081 PHYSICAL FITNESS I (AA)**

1 credit (2 lab hours)

Introduces concepts of fitness for living. A personal fitness evaluation and planned program for fitness are included.

**HLP 1083 ESSENTIALS OF WELLNESS I (AA)**

1 credit (1 lecture hour)

This course is designed to provide the student with a fundamental knowledge of wellness. Included are individual evaluations of wellness (examples: nutrition, stress and exercise), development of "wellness" plans for self and others and concepts of management for individual plans. Each module builds from the previous one moving the student from basic to complex concepts and teaching/learning strategies. Module I focuses on basic information and beginning development of wellness plans for individuals.

**HLP 1087 ESSENTIALS OF WELLNESS II (AA)**

1 credit (1 lecture hour)

Perequisite: HLP 1083

This course is designed to provide the student with a fundamental knowledge of wellness. Included are individual evaluations of wellness (examples: nutrition, stress and exercise), development of wellness plans for self and others and concepts of management for individual plans. Each module builds from the previous one moving the student from basic to complex concepts and teaching/learning strategies. Module II focuses on using the basic concepts, exploring special population needs and managing a wellness plan.

**HLP 1088 ESSENTIAL OF WELLNESS III (AA)**

1 credit (1 lecture hour)

Perequisite: HLP 1087

This course is designed to provide the student with a fundamental knowledge of wellness. Included are individual evaluations of wellness (examples: nutrition, stress and exercise), development of "wellness" plans for self and others and concepts of management for individual plans. Each module builds from the previous one moving the student from basic to complex concepts and teaching/learning strategies. Module III focuses on integrating community resources with individual/group wellness plans and evaluating their effectiveness and incorporating necessary modifications.

**HMV 0010 CAREERS IN FOOD SERVICE (PSAV)**

40 clock hours

This course presents different food service employment opportunities. It prepares the student to successfully complete a job search, application and interview within the food service industry. Lake Worth only.

**HMV 0101 STOCK, SOUP, AND SAUCE PREPARATION (PSAV)**

200 clock hours

This course teaches the student to identify, select, store, prepare, present and use stock, soup and sauces. It builds knowledge for quantity food preparation and cooking techniques. Students may seek employment as a cook helper or cook. Lake Worth only.

**HMV 0103 MEAT, POULTRY AND FISH PREPARATION (PSAV)**

200 clock hours

This course teaches the student to identify, select, store, prepare and present meats, poultry and fish products. It expands the student's knowledge of basic cooking technique and prepares them for employment as a kitchen helper or cook. Lake Worth only.

**HMV 0105 PRODUCE PREPARATION (PSAV)**

50 clock hours

This course introduces basic cooking principles with emphasis on preparation and presentation of fruit, vegetable, salad and salad dressings. Student can obtain employment as salad worker and kitchen helper. Lake Worth only.

**HMV 0107 BREAKFAST AND STARCH PREPARATION (PSAV)**

300 clock hours

This course teaches the student to identify, select, prepare, and store dairy, egg, and starchy products for the production of breakfast foods. It prepares students to obtain employment as a breakfast and short-order cook. Lake Worth only.

**HMV 0108 BAKESHOP (PSAV)**

290 clock hours

This course covers basic baking and dessert preparation. After completion, students may seek employment as a pastry cook or baker's helper. Lake Worth only.

**HMV 0109 QUANTITY FOOD TECHNIQUES (PSAV)**

50 clock hours

This course introduces the student to quantity food techniques. Emphasis is placed on preparation and presentation of hot and cold sandwiches, hors d'oeuvres and garnishes, as well as buffet food services. It introduces the student to employment as a salad worker. Lake Worth only.

**HMV 0110 SAFETY AND SANITATION (PSAV)**

75 clock hours

This course provides an overview of housekeeping operations and skills and prepares students to obtain employment as a steward. The development of skills for environmental safety and sanitation are emphasized. Lake Worth only.

**HMV 0112 KITCHEN TOOLS AND EQUIPMENT (PSAV)**

125 clock hours

This course teaches the student to identify and correctly utilize kitchen tools and equipment and prepares students to obtain employment as a utility cook. Lake Worth only.

**HMV 0143 CUSTOMER SERVICE (PSAV)**

60 clock hours

This course covers principles of waiting on customers, billing customers and basic math skills, clearing and setting tables and various serving styles. Customer service operations and skills are presented. Lake Worth only.

**HMV 0431 BUSINESS SKILLS (PSAV)**

50 clock hours

This course introduces basic business and entrepreneurial skills for food service workers. Topics include menu planning, cost control and budgeting. The roles and characteristics of a manager, supervisor and business owner are presented. Lake Worth only.

**HSC 0003 HEALTH CONCEPTS (PSAV)**

78 contact hours

This course provides an overview of the health care delivery system. Content will include health occupations, roles and responsibilities of the health care team, consumer rights, legal and ethical guidelines, communication skills, safety and security procedures, infection control and knowledge of blood borne diseases. Liability insurance required.

**HSC 0530 INTRODUCTION TO MEDICAL TERMINOLOGY AND DISEASE (PSAV)**

75 clock hours

This course is a study of the language of medicine used by health care professionals. Emphasis will be on building a medical vocabulary to include Common diseases and conditions, diagnostic and operative procedures, laboratory medicine and pharmacology.

**HSC 1000 INTRODUCTION TO HEALTH CARE (AS)**

2 credits (2 lecture hours)

Corequisite: HSC 1000L

This course prepares the student for study in the allied health occupations. Unit studies include professional ethics, behavior and communication, patient care and assessment, universal precautions, CPR, medical terminology, risk management and the study of health care regulation and systems.

**HSC 1000L INTRODUCTION TO HEALTH CARE LAB (AS)**

1 credit (2 lab hours)

This course is the companion to HSC 1000 through the introduction of core technical skills for health occupations. Includes basic skills such as: therapeutic communications, transfer procedures, mobility, vital sign measurements, OSHA guidelines including hand washing, medical and surgical asepsis (including gloving), calculation of medical/science math, employment skills and CPR. The lab is currently a pass/fail grading configuration.

**HSC 1010 INTRODUCTION TO DEVELOPMENTAL CONCEPTS FOR HEALTH CARE PROVIDERS (AS)**

2 credits (2 lecture hours)

This course is designed to introduce the student to an overview of the general principles and processes of normal human growth and development. The student will be exposed to developmental concepts as they relate to specific age groupings, from conception through death. Health care implications and adaptations for health care providers will be integrated with course content. Biological, psychosocial and societal biopsychosocial forces will be identified in relation to their effects on the range of normal human behaviors. Effective communication techniques will be studied, with emphasis on their use in health care situations.

**HSC 1400 STANDARD FIRST AID AND CPR (AS)**

1 credit (2 lab hours)

Provides skills meeting certification requirements by the American Red Cross; includes CPR certification.

**HSC 1593 AIDS: A HUMAN CONCERN (AA)**

3 credits (3 lecture hours)

All the dimensions of this pandemic crisis are addressed with specific insights on how AIDS directly and indirectly affects all laypersons and (allied) health care professionals alike. Included are clinical manifestations (prevention and testing), psychosocial and neuropsychiatric aspects, legal and ethical issues, the social, political, epidemiological, and economic implications. Special fee required.

**HSC 2100 HEALTH CONCEPTS AND STRATEGIES (AA)**

3 credits (3 lecture hours)

Covers knowledge that applies to the promotion of good health of the individual, family and society. Emphasis is on various health needs defined as the physical, emotional, social, spiritual and intellectual aspects. Emphasis is placed upon stress management, disease prevention, fitness, nutrition and the development of an effective wellness lifestyle. Special fee required.

**HSC 2133 HUMAN SEXUALITY EDUCATION (AA)**

3 credits (3 lecture hours)

Course provides scientific knowledge about sexuality, which enables the application and promotion of good health. For self, family and society. Emphasis is on human sexual biological systems and responses, reproduction and birthing/ control, gender identify/role, sexuality through the life cycle, sexual relationships and sexual values, sexual dysfunction/therapy and sexually transmitted diseases.

**HSC 2140 DRUG EDUCATION (AA)**

3 credits (3 lecture hours)

Licit and illicit, use, misuse, and abuse of drugs on human behavior and society engender major social (institutional) problems. The impact on individual lives, health costs and social consequences is staggering. Included are the biological and historical information about drugs and scientific aspects of their pharmacological effects on mind and body.

**HSC 2204 COMMUNITY HEALTH EDUCATION (AA)**

3 credits (3 lecture hours)

HSC 2100 recommended.

This course is an introduction to the nation's community health system and related educational functions. Surveyed are historical and administrative structures, concepts and scope of varied programs, (county, state and federal) topical treatment of major contemporary health problems and the relatedness of health education and community functions.

**HSC 2531 MEDICAL TERMINOLOGY (AS)**

3 credits (3 lecture hours)

This course provides preparation for health-related vocations with the commonly used medical terminology. The components of medical terms are analyzed, terms are defined and use of medical dictionary and related sources are emphasized.

**HUN 1001 INTRODUCTORY NUTRITION (AS)**

3 credits (3 hours lecture)

This course is designed as an introductory course for students not majoring in a health care field. The course focuses on increasing students' knowledge and understanding of basic nutrition concepts and developing skills that will enable students to make healthful decisions about nutrition. Lake Worth only.

**HUN 1201 ELEMENTS OF NUTRITION (AA)**

3 credits (3 lecture hours)

This course explores the metabolism of nutrients and the incorporation of nutritional principles into practical guidelines for health, weight management and sound food choices throughout the human life cycle. Emphasis is placed on evaluating dietary intakes and nutritional practices. The changing nutritional scene and areas of controversy are reviewed.

**HUN 1501 COMMUNITY NUTRITION (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: HUN 1201

This course utilizes knowledge of normal nutrition; skills in communications; socioeconomic influences; and familiarity with community resources to educate and motivate individuals and groups to improve their nutritional status. Lake Worth only.

**HUS 1001 INTRODUCTION TO HUMAN SERVICES (AS)**

3 credits (3 lecture hours)

This course provides an introduction and orientation to the field of Human Services. The history, current concepts and roles of beginning professionals, community services and agencies are examined. The knowledge, ethics, skills and attitudes necessary to the field of Human Services are discussed. The student will demonstrate knowledge, ethical principles, skill and attitudes in practical application using the process of analysis and research of client needs and agency services.

**HUS 1100 COUNSELING AND INTERVIEWING (AS)**

3 credits (3 lecture hours)

Prerequisite: PSY 2012

This course teaches skills, knowledge and attitudes for counseling, interviewing and problem solving as used in therapy. A combination of teaching techniques is used including demonstration, exercises, one-on-one practices, reading assignment and fieldwork. The students will learn and practice problem-solving techniques, which help the client identify problems and work systematically for solutions. Interviewing is taught as a component of the counseling process. Active listening, reflecting, questioning, summarizing, problem-solving, starting a session and ending a session are taught in this course.

**HUS 1200 PRINCIPLES OF GROUP DYNAMICS (AS)**

3 credits (3 lecture hours)

Prerequisite PSY 2012

A course designed to help students increase their ability to work effectively with others. Group processes are explored including cohesion, conflict, individual roles, communications, and problem-solving.

**HUS 1531 COUNSELING THE CHEMICALLY DEPENDENT PERSON (AS)**

3 credits (3 lecture hours)

This course is designed for the student who has elected to counsel the chemically dependent person. It emphasizes one-to-one helping. It also applies in practice sessions the pathology of chemical dependency and knowledge of helping resources. Discussion, role-playing and critique are part of this instruction. Both individual and group counseling techniques are taught.

**HUS 1850 FIELDWORK IN HUMAN SERVICES I (AS)**

2 credits (2 lecture hours)

Prerequisite: HUS 1100 or HUS 1200 or HUS 2520

This course offers an understanding of the role and function, programs and services of a variety of human services organizations. The students study the team approach to human services as well as the one-to-one approach to helping and problem solving.

**HUS 1850L FIELDWORK IN HUMAN SERVICES I INTERNSHIP (AS)**

3 credits (9 lab hours)

Prerequisite: HUS 1100 or HUS 1200 or HUS 2520; Corequisite: HUS 1850

Each student is assigned to a human services agency for six hours weekly, for 16 weeks. Students are supervised by the instructor and personnel of the Human Services program. On-the-job training includes interviewing and counseling clients and their families; assessment and planning; monitoring and observation; problem-solving; participating in group and individual therapy; intervention and treatment; and linking clients with community resources.

**HUS 2520 PSYCHOTHERAPY: THEORY AND PRACTICE (AS)**

3 credits (3 lecture hours)

Prerequisite: PSY 2012

This course provides an overview of current approaches to psychological counseling and psychotherapy including psychoanalysis, client-centered, Gestalt, transactional analysis, reality therapy, behavior therapy, and rational-emotive therapy. The course examines basic issues in counseling and psychotherapy, including ethical issues. Emphasis is on both the theory and practical applications of the various approaches.

**HUS 2851 FIELDWORK IN HUMAN SERVICES II (AS)**

2 credits (2 lecture hours)

Prerequisite: HUS 1850

This course is a continuation of HUS 1850. This course offers an understanding of the role and function, programs and services of a variety of human services organizations. The students study the team approach to human services as well as the one-to-one approach to helping and problem solving.

**HUS 2851L FIELDWORK IN HUMAN SERVICES II INTERNSHIP (AS)**

3 credits (9 lab hours)

Prerequisite: HUS 1100 or HUS 1200 or HUS 2520; Corequisite: HUS 2851

This is a second module of fieldwork to enable each student to participate in another area of "learning by doing," or on-the-job training.

**IDH 2105 THE ART OF PUBLIC DELIBERATION AND COMMUNITY BUILDING - HONORS COURSE (AA)**

3 credits (3 lecture hours)

This Honors course is designed to teach and give students experience in practicing the art of public deliberation and community building. The academic portion of the course will explore several methods and interdisciplinary perspectives from the social sciences, communications, journalism, and the humanities. The service learning or experiential part of the course will involve students in training for and conducting study circles or forums on current issues that involve local, state, national or international conflicts. A minimum 3.5 overall GPA is required.

**IDS 2109 CLAST REVIEW (AA)**

3 credits (3 lecture hours)

Prerequisite: Thirty (30) semester hours of college credit courses including 15 of the 18 hours required under the Gordon Rule of competencies tested on the state-mandated CLAST

This course is intended as a review of the competencies tested on the state mandated CLAST examination. Topics will include the Essay, English Writing, Reading and Computation subtests on the CLAST exam. Graded Passing or Not Passing (P or N).

**IND 1025C FUNDAMENTALS OF COLOR AND DESIGN (AS)**

3 credits (2 lecture hours, 2 lab hours)

This course will provide the student with competency in two-dimensional design, three-dimensional design and basic color design. Concepts about representation, expression, composition, color, form, light, structure and function will be explored through project-based learning. Lake Worth only. Special fee required.

**IND 1233C DESIGN STUDIO I (AS)**

3 credits (2 lecture hours, 2 lab hours)

Fundamentals of interior design analysis and elementary interior space problem solving. Emphasis will be given to basic design theory, design vocabulary and visual awareness of the built environment. Examination of significant interiors and furniture components will overview the design process. Lake Worth only. Special fee required.

**IND 1234C DESIGN STUDIO II (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisites: IND 1233C, IND 1401C

This course explores the needs and requirements of human residential and non-residential environments. It focuses on the design process concepts, space planning and furnishings, textiles and finish selection. Sketching, drafting and presentation techniques are reinforced. Lake Worth only. Special fee required.

**IND 1401C TECHNICAL DESIGN I (AS)**

3 credit hours (2 lecture hours, 2 lab hours)

Introductory course in mechanical drawing and graphic techniques utilized in the representation and study of architectural forms and interior environments. Includes lettering, floor plans, elevations, sections, perspectives and isometric drawings using various paper-based media. Lake Worth only. Special fee required.

**IND 1935 BUILDING AND BARRIER FREE CODES (AS)**

3 credit hours (3 lecture hours)

Prerequisites: IND 1234C, IND 2424C

This course addresses contract documents and building interior systems that apply to the interior environment. Building standards and barrier-free codes are examined as performance criteria for interior design. Lake Worth only. Special fee required.

**IND 2100 HISTORY OF INTERIORS I (AA)**

3 credits (3 lecture hours)

This course is designed to provide knowledge of the history of interiors, architecture, furniture and design philosophy from antiquity through the 19th century. Stylistic developments, significant structures, important people, social history and material culture are covered. Lake Worth only.

**IND 2130 HISTORY OF INTERIORS II (AA)**

3 credits (3 lecture hours)

This course is designed to provide knowledge of the history of interiors, architecture, furniture, and design philosophy from the 20th century to the present. Stylistic developments, significant structures, important people, social history and material culture are covered. Lake Worth only.

**IND 2237C DESIGN STUDIO III (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisites: IND 1234C, IND 1935, IND 2424C

Strategic facilities planning of non-residential environments. Emphasis on programming analysis, schematic design, space plan-

ning, human factors, technical issues, furniture and material selection and final presentation with attention to environmental needs and building codes. Lake Worth only. Special fee required.

**IND 2238C DESIGN STUDIO IV (AS)**

3 credit hours (2 lecture hours, 2 lab hours)

Prerequisites: IND 2237C, IND 2432C

This course requires the advanced interior design student to utilize all previously learned design skills to produce and understand comprehensive non-residential design projects. Emphasis is on programming, special analysis, code restrictions, furniture selection and budget limitations. Lake Worth only. Special fee required.

**IND 2307C INTERIOR DESIGN GRAPHICS (AS)**

3 credits (2 lecture hours, 2 lab hours)

Corequisites: IND 1025C, IND 1233C, IND 1401C

This course is designed to develop graphics skills that provide the interior designer the ability to evolve, externalize, and communicate spatial concepts. One and two points perspective drawings, material delineation, tonal investigation, compositional and presentation techniques are included. Special fee required. Lake Worth only.

**IND 2424C TECHNICAL DESIGN II (AS)**

3 credit hours (2 lecture hours, 2 lab hours)

Prerequisites: IND 1233C, IND 1401C

This course covers intermediate technical aspects of material, structure, and mechanical systems. The focus is on architectural construction, finish materials, millwork and specifications. Drafting and working drawings are emphasized. Lake Worth only. Special fee required.

**IND 2429 TEXTILES FOR INTERIORS (AS)**

3 credits (3 lecture hours)

Prerequisites: IND 1234C, IND 2424C

This course covers textile products available for use in residential and commercial interiors. It reviews government regulations, fire codes, test methods, performance standards, installation procedures, and maintenance practices applying to interior textile products. Lake Worth only. Special fee required.

**IND 2432C INTERIOR LIGHTING (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisites: IND 1234C, IND 2424C

This course continues the study of interior design principles, specifically understanding, utilizing and planning electrical and lighting systems, in residential and non-residential applications. Emphasis on lighting and electrical plans, reflected ceiling plans, measurements and acoustics. Special fee required. Lake Worth only.

**IND 2460C CAD FOR INTERIORS I (AS)**

3 credit hours (1 lecture hour, 4 lab hours)

Prerequisites: IND 1234C, IND 2424C

This course is an introduction to computer-aided design as it applies in the field of architecture and interior design. It includes computer concepts, current hardware and software and their application in the solving of residential and commercial design and architectural problems. Lake Worth only. Special fee required.

**IND 2463C CAD FOR INTERIORS II (AS)**

3 credit hours (1 lecture, 4 lab hours)

Prerequisite: IND 2460C

This course is a continuation of the study of CAD and the use of image processing, two-dimensional drawing and three-dimensional modeling of building interiors. Lake Worth only. Special fee required.

**IND 2505 PROFESSIONAL PRACTICES (AS)**

3 credit hours (3 lecture hours)

Prerequisites: IND 2237C, IND 2432C

This course covers business principles and practices, marketing strategies, project management and contract documents. It will also study legal aspects, marketing strategies, professional ethics and career planning. Lake Worth only. Special fee required.

**IND 2931C SPECIAL TOPICS IN INTERIOR DESIGN (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisites: IND 2237C, IND 2424C, IND 1935

Comprehensive design solutions are developed for larger scale spaces and special topics, such as historic preservation, assisted-living, child-care facilities and other special needs. Programming, design development, building codes and formal presentation are emphasized. Freehand drafting and CAD skills are utilized. Lake Worth only. Special fee required.

**IND 2941C INTERIOR DESIGN INTERNSHIP (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: Instructor permission required

This course will prepare the student to enter the professional world of interior design. The student will acquire experience by actually working in a professional interior design business and under proper guidance will experience various aspects of the professional world. Lake Worth only.

**INR 2002 INTERNATIONAL RELATIONS (AA)**

3 credits (3 lecture hours)

Prerequisites: POS 1001 or POS 2041 and/or ECO 2013 or consent of instructor

This course provides an introduction to the dynamics of global politics and an analysis and application of current theories about international relations. It looks closely at influences on the international political agenda, as well as the settlement of international political conflicts. It focuses attention on the issues that face international leaders, such as military security in the nuclear era, trade and the international political economy, environmental threats, human rights abuses, refugees, the drug trade and other international crime and terrorism.

**INR 2015 INTRODUCTION TO GLOBAL STUDIES (AA)**

3 credits (3 lecture hours)

Introduces the realities of current global problems; changing demographic patterns, food and energy resources, structure of international relations emphasizing development of global perspectives for sophisticated citizens.

**IPM 1301 PESTICIDES (AS)**

3 credits (3 lecture hours)

This course introduces the role and mechanisms of pesticides in an integrated pest-management program. Ecological, biological and economic principles are emphasized. Classification, action, toxicity, registration procedures, and application techniques of chemicals defined as pesticides under the Federal Insecticide, Fungicide and Rodenticide Act are studied.

**ISS 1949C CO-OP SOCIAL SCIENCE TRAINING I (AA)**

3 credits (1 lecture hour, 10 lab hours)

This coordinated work-study program reinforces educational and professional growth through parallel involvement in classroom studies and field experience. Student and teacher-coordinator determine objectives for on-the-job social science assignments. The student is evaluated by the teacher-coordinator and immediate supervisor.

**ISS 2949C CO-OP SOCIAL SCIENCE TRAINING II (AA)**

3 credits (1 lecture hour, 10 lab hours)

This course is a continuation of ISS 1949C.

**ITA 1120 ELEMENTARY ITALIAN I (AA)**

4 credits (4 lecture hours)

Develops the natural progression of language acquisition by focusing on four skills: listening, speaking, reading and writing. Introduction to the target culture is also an integral component of the course.

**ITA 1121 ELEMENTARY ITALIAN II (AA)**

4 credits (4 lecture hours)

Prerequisite: ITA 1120  
This course is a continuation of ITA 1120.

**JOU 2103 SPECIALIZED NEWS WRITING (AA)**

3 credits (3 lecture hours)

Prerequisite: MMC 1100 or permission of department chair;  
Corequisite: ENC 1101 or ENC 1121

This course is designed to teach the student basic ways to improve his/her reporting skills learned in MMC 1100, Basic News Writing for Mass Media or in other comparable course(s). Topics will include, but are not restricted to, investigative reporting, feature writing for newspapers and magazines, public affairs reporting and editorial/column writing.

**LIS 1002 ELECTRONIC ACCESS TO INFORMATION (AA)**

1 credit (1 lecture hour)

This course will examine electronic services that are available for accessing information resources such as books, journals, library holdings, newspapers, databases, e-mail and electronic conferences and bulletin boards.

**LIS 2004 INTRODUCTION TO INTERNET RESEARCH (AA)**

1 credit (1 lecture hour)

This course will present skills necessary for searching the Internet successfully. The course will review the parts of the Internet that are important for accessing information necessary for Gordon Rule papers, essays, or research reports. The course will demonstrate how information retrieved on the Internet should be evaluated for its content and credibility and will stress the development of critical thinking skills.

**LIT 1370 THE BIBLE AS LITERATURE (AA)**

3 credit hours (3 lecture hours)

This course is intended to introduce the students to different literary styles as found in the Old Testament, beginning with selected portions from the Five Books of Moses, the Prophets and the Writings. The course will expose students to the impact that the language of the Biblical passages have on man's understanding of both the literal and interpretive meaning of the content.

**LIT 2090 CONTEMPORARY LITERATURE (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121

The study of major writers and literary trends since 1945 focuses on students' own time and place in the world paired with critical reading of important contemporary works of literature and writing about those works. The course fulfills general education requirement for literature. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. A grade of C or higher is required for this course to be used as a General Education course. Written work: 3,000 words.

**LIT 2110 WORLD LITERATURE BEFORE THE RENAISSANCE (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121

Selected literary texts of the ancient, medieval and Renaissance periods to 1600 are read and interpreted. Students will focus on reading, interpreting and discussing the literature and on its contributions to our understanding of what it means to be human. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. A grade of C or higher is required for this course to be used as a General Education course. Written work: 3,000 words.

**LIT 2120 WORLD LITERATURE AFTER THE RENAISSANCE (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121

Selected literary texts of the Enlightenment, the Romantic period, the period of Realism and Naturalism and the modern era are read and interpreted. Students will focus on reading, interpreting and discussing the literature and on its contributions to our understanding of what it means to be human. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. A grade of C or higher is required for this course to be used as a General Education course. Written work: 3,000 words.

**MAC 1105 COLLEGE ALGEBRA (AA)**

3 credits (3 lecture hours)

Prerequisites: A grade of C or better in MAT 1033. Students must satisfy the College Prep Math requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

This course emphasizes radicals, exponents, complex numbers, linear and quadratic equations and inequalities and absolute value. New topics include exponential and logarithmic properties, functions and equations, relations and functions, graphs of linear, quadratic, exponential and logarithmic functions and systems of equations and inequalities. A grade of C or higher is required for this course to be used as a General Education course.

**MAC 1114 TRIGONOMETRY (AA)**

3 credits (3 lecture hours)

Prerequisite: A grade of C or better in MAC 1140 or MAC 1105. Students must satisfy the College Prep Math requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

Topics include trigonometric functions of angles and real numbers, trigonometric identities and equations, solutions of right and oblique triangles with applications, complex numbers, and analytic geometry (the conic sections). A grade of C or higher is required for this course to be used as a General Education course.

**MAC 1140 PRECALCULUS (AA)**

3 credits (3 lecture hours)

**Prerequisites:** A suitable score on the placement test together with two years of high school algebra or a C or higher in MAC 1105. Students must satisfy the College Prep Math requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

Topics include relations and functions, systems of equations, matrices, determinants, quadratic equations and inequalities, exponential and logarithmic functions, linear programming, sequences, series, induction and the Binomial Theorem. A grade of C or higher is required for this course to be used as a General Education course.

**MAC 2233 SURVEY OF CALCULUS (AA)**

3 credits (3 lecture hours)

**Prerequisite:** A grade of B or better in MAC 1105 or a grade of C or better in MAC 1140 preferred. Students must satisfy the College Prep Math requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

Not open to students who have credit in MAC 2311. Rates of change, derivatives, and integration with applications to business are studied. A grade of C or higher is required for this course to be used as a General Education course.

**MAC 2311 CALCULUS WITH ANALYTIC GEOMETRY I (AA)**

4 credits (4 lecture hours)

**Prerequisite:** A grade of C or better in MAC 1140 and MAC 1114. Students must satisfy the College Prep Math requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

Topics included are derivatives and integration of algebraic, trigonometric, exponential and logarithmic function, with applications. A grade of C or higher is required for this course to be used as a General Education course.

**MAC 2312 CALCULUS WITH ANALYTIC GEOMETRY II (AA)**

4 credits (4 lecture hours)

**Prerequisite:** A grade of C or better in MAC 2311. Students must satisfy the College Prep Math requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

Topics included are techniques of integration, conic sections, polar coordinates, parametric equations, applications, and infinite series. A grade of C or higher is required for this course to be used as a General Education course.

**MAC 2313 CALCULUS WITH ANALYTIC GEOMETRY III (AA)**

4 credits (4 lecture hours)

**Prerequisite:** A grade of C or better in MAC 2312. Students must satisfy the College Prep Math requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. A grade of C or higher is required for this course to be used as a General Education course.

Topics included are solid analytic geometry and vectors in space, partial differentiation, multiple integration and line integrals.

**MAN 1949A CO-OP BUSINESS I (AS)**

3 credits (1 lecture hour, 10 lab hours)

This coordinated work-study program reinforces educational and professional growth through parallel involvement in classroom studies and field experience. The student and teacher-coordinator determine the objectives for the on-the-job mid-management assignment. The student is evaluated by teacher-coordinator and immediate supervisor.

**MAN 1949B CO-OP BUSINESS II (AS)**

3 credits (1 lecture hour, 10 lab hours)

This course is a continuation of MAN 1949A.

**MAN 2021 PRINCIPLES OF MANAGEMENT (AS)**

3 credits (3 lecture hours)

Study of principles of management, planning, organizing, staffing and controlling applicable to production, personnel, marketing, finance, government, education, agriculture and armed forces.

**MAN 2800 SMALL BUSINESS MANAGEMENT (AS)**

3 credits (3 lecture hours)

In-depth analysis of principles of starting and managing a small business. Included are business and managerial functions of how to organize, staff, direct and control business areas of sales, production, purchasing, finance and personnel.

**MAP 2302 DIFFERENTIAL EQUATIONS (AA)**

3 credits (3 lecture hours)

**Prerequisite:** A grade of C or better in MAC 2312. Students must satisfy the College Prep Math requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

Topics include ordinary differential equations, the Laplace transform, differential operators, systems of equations, orthogonal trajectories, electric networks, and inverse transforms. A grade of C or higher is required for this course to be used as a General Education course.

**MAR 2011 PRINCIPLES OF MARKETING (AS)**

3 credits (3 lecture hours)

This course places emphasis on marketing strategy planning. The topics covered include: the micro role in society and its macro role in business, the external environments affecting marketing, marketing research, behavioral features of the consumer market and intermediate customers, market segmentation and developing the marketing mix of product, place, promotion and price.

**MAT 0012 BASIC ALGEBRA I**

3 institutional credits (3 lecture hours)

This course provides a transition from arithmetic to algebra and shows the relevancy of mathematics in everyday life and in the workplace. Students review whole numbers, fractions, decimals and percents and develop skills using algebraic variables, terms and equations. Graded Passing or Not Passing (P or N). Special fee required.

**MAT 0020 BASIC ALGEBRA II**

3 institutional credits (3 lecture hours)

**Prerequisite:** College Placement Test (CPT) score above 32 or successful completion of MAT 0012.

This course provides a solid foundation in algebra for the purpose of preparing students for credit mathematics courses. It covers equations, inequalities, polynomials, graphing, rational expressions, and radicals with real applications integrated throughout. Graded Passing or Not Passing (P or N). Special fee required.

**MAT 1033 INTERMEDIATE ALGEBRA (AA)**

3 credits (3 lecture hours)

**Prerequisite:** Successful completion of MAT 0020. This course prepares students for MAC 1105. Topics include sets, properties of real numbers, linear equations and inequalities, exponents and radicals; products and factoring, algebraic fractions and quadratic equations. MAT 1033 is NOT a Gordon Rule course and does NOT satisfy part of the math requirement for graduation.

**MCB 2010 MICROBIOLOGY (AA)**

3 credits (3 lecture hours)

**Prerequisite:** BSC 1985 OR BSC 1010

This course is a study of microorganisms with emphasis on pathogens. Characteristics, control, and genetics of microorganism and defense mechanisms of the host are stressed. A grade of C or higher is required for this course to be used as a General Education course.

**MCB 2010L MICROBIOLOGY LABORATORY (AA)**

1 credit (2 lab hours)

**Corequisite:** MCB 2010.

This is the laboratory to accompany MCB 2010. A grade of C or higher is required for this course to be used as a General Education course.

**MEA 0002 INTRODUCTION TO MEDICAL ASSISTING AND HUMAN RELATIONS (PSAV)**

15 clock hours

An overview of medical assisting and related health professions including duties, responsibilities, public relations duties and interpretation of personal relationships of the health team members are emphasized. Study of the various medical specialties and the history of medicine are included.

**MEA-0200L CLINICAL PRACTICES - LAB (PSAV)**

75 clock hours

This course teaches the skills required to perform patient care in physician's examining room. Basic principles related to infection control, vital signs, physical examination, patient treatments, minor surgery, instrument care and sterilization, preparation and administration of medications, and physical therapy modalities are stressed.

**MEA 0230 MEDICAL TERMINOLOGY BY BODY SYSTEMS (PSAV)**

95 clock hours

This course provides the student with knowledge of the organizational and general plan of body, basic chemistry, cells, tissues and membranes, integumentary system, skeletal system, muscular system, nervous system, senses, endocrine system, heart, vascular system, lymphatic system and immunity, respiratory system, digestive system, reproductive systems.

**MEA 0240 MATHEMATICS FOR CLINICAL CALCULATIONS (PSAV)**

25 clock hours

The purpose of this course is to provide the student with knowledge to perform mathematical calculations necessary for the safe administration of medications.

**MEA 0242 PHARMACOLOGY FOR THE MEDICAL ASSISTANT (PSAV)**

50 clock hours

This course introduces the student to medications, stressing sources, classifications, administration, dosages, contraindications, and side effects.

**MEA 0253 DISEASES, DISORDERS, AND TREATMENT FOR MEDICAL ASSISTING (PSAV)**

272 clock hours

This course provides students with the knowledge of the cause, effect and treatment of the disease process and medical conditions. It will provide them with the skills necessary to assist in diagnostic and treatment procedures.

**MEA 0254 BASIC MEDICAL LABORATORY TECHNIQUES FOR MEDICAL ASSISTANT (PSAV)**

25 clock hours

This course focuses on laboratory studies and is designed specifically for the medical assisting student to include laboratory instruction and practice in specimen collection, microscopy, basic office bacteriology, hematology, and chemistry. Medical laboratory safety and quality control is an integral part of this course.

**MEA 0258 RADIOLOGY FOR THE MEDICAL ASSISTANT (PSAV)**

25 clock hours

This course provides the student with the basic principles of x-ray handling and processing, radiographic technique and radiation biology, including protection for self, patient, and public.

**MEA 0270 MEDICAL OFFICE PROCEDURES I (PSAV)**

30 contact hours

This course is an introduction to the roles and responsibilities of the medical office assistant. The primary focus will be on front office functions such as appointment scheduling, patient interaction, medical records and medical office automation. Legal and ethical issues related to medical assisting, as a profession, will also be discussed.

**MEA 0271 MEDICAL OFFICE PROCEDURES II (PSAV)**

30 contact hours

This course is a continuation of the roles and responsibilities of the medical office assistant. The primary focus will be on advanced medical office administrative functions and work-based simulation activities.

**MEA 0310 INTRODUCTION TO MEDICAL OFFICE PROCEDURES I (PSAV)**

75 clock hours

This course provides an introduction to roles and responsibilities of a medical office assistant. Primary focus on front office functions such as appointment scheduling, patient interaction, medical records, medical office automation, legal, ethical issues related to medical assisting as a profession.

**MEA 0322 ADVANCED MEDICAL OFFICE PROCEDURES (PSAV)**

75 clock hours

This course is a continuation of the roles and responsibilities of the medical office assistant. The primary focus will be on advanced medical office administrative functions and work-based simulation activities.

**MEA 0334 MEDICAL INSURANCE AND CODING (PSAV)**

75 clock hours

This course covers the purpose of medical insurance, the variety of plans, the payments of benefits, the abstracting of medical information from charts, the processing of claims and coding for insurance purposes. Practice in preparing and filing insurance forms is provided. The students learn to transcribe from verbal and written descriptions of diseases, injuries, and medical procedures into internationally standardized numerical designations for third party payers.

**MEA 0520 PHLEBOTOMY FOR THE MEDICAL ASSISTANT (PSAV)**

75 clock hours

This course teaches the theory and skills required for the medical assistant to perform basic phlebotomy procedures in the physician's office or medical clinic.

**MEA 0540 ELECTROCARDIOGRAPHY FOR THE MEDICAL ASSISTANT (PSAV)**

75 clock hours

This course teaches the essentials of performing diagnostic ECG'S, using the knowledge of the anatomy and physiology of the circulatory system, conduction principles, and the cardiac cycle.

**MEA 0801 EXTERNSHIP IN MEDICAL ASSISTING (PSAV)**

175 clock hours

This course provides the student with experience in a physician's office, clinic, or laboratory setting to demonstrate mastery of required competencies. All program courses must be completed prior to beginning the externship.

**MGF 1106 LIBERAL ARTS MATHEMATICS (AA)**

3 credits (3 lecture hours)

Prerequisites: Successful completion of MAT 0020 or one year of high school algebra and passing score on the placement exam. Students must satisfy the College Prep Math requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

This course will give students some of the mathematical and computational skills essential for success in the liberal arts areas as well as in real-life situations. It will give the liberal arts students the essential skills needed in the areas of probability and statistics, sets, logic and geometry and prepare them for these areas on the CLAST. A grade of C or higher is required for this course to be used as a General Education course.

**MGF 1107 FINITE MATHEMATICS (AA)**

3 credits (3 lecture hours)

Prerequisite: MAT 1033 or equivalent. Students must satisfy the College Prep Math requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

This course will give students some of the mathematical and computational skills essential for success in the liberal arts area as well as in real-life situations. This course will include selected topics from Financial Mathematics, Linear and Exponential Growth, Numbers and Number Systems, History of Mathematics, Number Theory, Graph Theory and Voting Techniques. A grade of C or higher is required for this course to be used as a General Education course.

**MGF 1109 RATIO AND PROPORTION (AA)**

1 credit (1 lecture hour)

Prerequisites: Successful completion of MAT 0020 or one year of high school algebra and passing score on placement test. This module is a study of ratio, proportion and variations, fractions, decimals and conversion of metric system, with medical application including medical abbreviations, medication dosages and intravenous medications.

**MGF 1111 GEOMETRY (AA)**

1 credit (1 lecture hour)

Prerequisites: Successful completion of MAT 0020 or one year of high school algebra and passing score on placement test. This module is a study of the relationship of plane and solid figures, distances, areas and volumes and includes measurement.

**MGF 1112 LOGIC (AA)**

1 credit (1 lecture hour)

Prerequisites: Successful completion of MAT 0020 or one year of high school algebra and passing score on placement test. This module involves an analysis of sentence structure and truth values. It includes valid and invalid arguments and methods of proof.

**MGF 1118 CLAST MATHEMATICS REVIEW (AA)**

1 credit (1 lecture hour)

This course is a review of the competencies tested on the state-mandated CLAST examination. Topics include Arithmetic, Geometry, Logic and Statistics from the computational subtest of the CLAST examination. Required for students needing mathematics remediation for the CLAST examination. Graded Passing or Not Passing. (P or N).

**MKA 1041 PRINCIPLES OF RETAILING I (AS)**

3 credits (3 lecture hours)

A study of the principles, procedures and techniques of retailing, buying, pricing merchandise and of determining consumer demand. Particular attention will be given to the problems of when and how to buy and sources of supply. The organization and function of major divisions in retail establishments are studied to promote and understanding of the varied responsibilities and activities of buyers.

**MKA 1511 ADVERTISING (AS)**

3 credits (3 lecture hours)

This course has been planned for students wanting strong preparation in the field of advertising. Students learn the conceptual foundation which provides the necessary theoretical framework for understanding advertising, the planning stage required for successful advertising and the actual execution of advertising.

**MKA 2021 SALESMANSHIP (AS)**

3 credits (3 lecture hours)

This course is designed to prepare the student for entry into the field of selling. The student learns buyer characteristics and behavior patterns, prospecting, planning, and delivering the presentation, handling objections and closing the sales, dealing with the legal, social, ethical and personal responsibilities of the salesperson and the nature and scope of sales management.

**MKA 2042 PRINCIPLES OF RETAILING II (AS)**

3 credits (3 lecture hours)

Prerequisite: MKA 1041

Principles of Retailing II covers retail product merchandising including basic merchandise knowledge; display; men's, women's and children's inner and outer apparel items; and home goods.

**MKA 2752 INTERNATIONAL MARKETING (AS)**

3 credits (3 lecture hours)

Basic marketing principles presented from an international point of view. Covers pricing, advertising methods and channels of distribution on an international level. Students make actual visit to a foreign corporation. Classroom work before and after the overseas trip will be required.

**MKO 0102 HUMAN RELATIONS I (PSAV)**

15 clock hours

This introductory course explores the characteristics and concepts necessary to being an effective and emphatic listener, to transmitting positive attitude to customers, as well as understanding how to manage objectives and extending courtesy in the customer service environment.

**MKO 0103 COMMUNICATIONS I (PSAV)**

18 clock hours

This course will explore the barriers to effective communication, examine verbal and nonverbal communication, as well as help the student differentiate between various styles of communications. Emphasis will be placed on active listening skills, verbal articulation, diction and enunciation for effective communication.

**MKO 0104 CONFLICT RESOLUTION I (PSAV)**

18 clock hours

This course is designed to give the student an insight into the difference between conflict and confrontation. The student will understand the two primary reasons for conflict, specify the steps necessary to cooperative resolution and define what can be done to better manage conflict in the workplace.

**MKO 0106 MATH FUNDAMENTALS (PSAV)**

15 clock hours

This course will review the fundamentals of mathematics as it relates to the customer service industry. It will cover addition, subtraction, multiplication, division, decimals, and fractions without math anxiety.

**MMC 1000 SURVEY OF COMMUNICATION (AA)**

3 credits (3 lecture hours)

This course is structured to enrich the students' understanding of the American mass media system and its influence on social, political, economic and cultural agenda. Topics include media impact, ownership and control, organizational structure and a basic history of the media. Lake Worth only.

**MMC 1100 BASIC NEWS WRITING FOR MASS MEDIA (AA)**

3 credits (3 lecture hours)

Prerequisite: ENC 1101 or ENC 1121. This course is designed primarily for beginners of news reporting, but seasoned reporters will also benefit from its contents. Topics include information gathering and processing, strategies of interviewing, basic and hard news lead composition, basic story structure. Lake Worth only.

**MMC 1949C MASS MEDIA INTERNSHIP I (AA)**

3 credits (1 lecture hour, 10 lab hours)

Prerequisite: MMC 1100 or JOU 2103

This course is set up to allow the student to demonstrate in a practical, professional manner what he/she has been taught in the classroom. The hands-on experience will be gained on the job through an internship arrangement with a local establishment. Lake Worth only.

**MMC 2949C MASS MEDIA INTERNSHIP II (AA)**

3 credits (1 lecture hour, 10 lab hours)

Prerequisite: MMC 1100 or JOU 2103

This course is a continuation of MMC 1949C. It will allow the student to spend an additional semester for more on-the-job experience as an intern with a local establishment. Lake Worth only.

**MNA 2100 HUMAN RELATIONS IN BUSINESS (AS)**

3 credits (3 lecture hours)

This course helps formulate a set of objectives in human relations and develops techniques for accomplishing this objective. Among the topics studied are motivation, morale, productivity, organization, communications, work and incentives, leadership and the executive and their roles.

**MNA 2303 INTRODUCTION TO PUBLIC PERSONNEL MANAGEMENT (AS)**

3 credits (3 lecture hours)

Prerequisite: POS 2112 or instructor permission required. The student concentrates on the major issues facing the manager of public employees including selection and promotional process, performance appraisal systems, labor relations, employee rights and concerns of public sector employment.

**MNA 2345 PRINCIPLES OF SUPERVISION (AS)**

3 credits (3 lecture hours)

This course provides an overview of the first level of management dealing primarily with the management of people. The focus is on supervisory processes: examining functions of planning, organizing, staffing, directing, controlling and their relationships to daily responsibilities of the supervisor.

**MSS 0252 MASSAGE THERAPY I (PSAV)**

270 clock hours

The content includes, but is not limited to, the theory and practice of massage, practice and demonstration, hygiene, ethics, history, massage law, medical terminology, human anatomy and physiology, neurology, Pathology I- (basic), consultation, Myology I- (introduction to muscles and their movement). Liability insurance required.

**MSS 0262 MASSAGE THERAPY II (PSAV)**

190 clock hours

The content includes, but is not limited to, the practice of massage therapy, student clinic, Myology II, Pathology II, hydrotherapy, bodywork modalities and business and marketing and field trips. Liability insurance required.

**MTB 0372 MATH FOR HEALTH PROFESSIONALS (PSAV)**

45 contact hours

This course provides instruction in the practical application of math concepts as needed for employment in the health care system.

**MTB 1103 BUSINESS MATHEMATICS I (AS)**

3 credits (3 lecture hours)

Information and applications in business situations involving bank and sales records, business percentages, financial charges, payrolls and taxes, statistics and computers, financial statements, insurance, bonds, compound interest and present value, stocks and annuities.

**MTB 1304 GRAPHING CALCULATOR (AA)**

1 credit hour (1 lecture hour)

Prerequisite: MAT1033 or appropriate placement score. This course is designed to instruct students in the use of the graphing calculator. Topics include skill and application problems in College Algebra, Precalculus, Statistics and Calculus. Students must provide the recommended calculators with accompanying manuals.

**MUSIC CLASSROOM/ENSEMBLE/PERFORMANCE INSTRUCTION (AA) (FRESHMAN/SOPHOMORE)****MUC 2301 INTRODUCTION TO ELECTRONIC MUSIC I (AA)**

3 credits (3 lecture hours)

Introduction to basic hardware components (tape recorder, mixer, synthesizer, computer) and functions in electronic music are provided.

**MUC 2302 INTRODUCTION TO ELECTRONIC MUSIC II (AA)**

3 credits (3 lecture hours)

Prerequisite or corequisite: MUC 2301 or instructor permission required

This course is a continuation of MUC 2301. Includes techniques of sound mixing, sequencing and sampling.

**MUC 2311 ELECTRONIC MUSIC I (AA)**

3 credits (3 lecture hours)

Prerequisite: MUC 2302

This course is designed to provide students with hands-on experience of sampling, analysis, synthesis, resynthesis procedures, advanced digital composition, and arranging.

**MUC 2312 ELECTRONIC MUSIC II (AA)**

3 credits (3 lecture hours)

Prerequisite: MUC 2311

This course is designed to provide students with further study in electronic music synthesis and sound design in musical composition. Emphasis will be placed on the use of computer software, voice editing tools in both learning and exploring synthesis and voice architectures.

**MUH 2018 HISTORY AND APPRECIATION OF JAZZ (AA)**

3 credits (3 lecture hours)

Jazz is studied from its inception around 1900 to the present. All forms and styles of jazz, along with important exponents of each style, will be covered. Includes principles in how to listen to jazz. Offered only in Spring semester of odd-numbered years.

**MUL 1010 MUSIC APPRECIATION (AA)**

3 credits (3 lecture hours)

This course is a survey of historical periods of music development including styles, forms and composers and their works. Provides a basis for intelligent listening and to develop a thorough understanding of music. The course offers credit in general education for all majors. Requires a C or better for transfer for AA degree credit. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. A grade of C or higher is required for this course to be used as a General Education course. Written work: 2,000 words.

**MUM 1030L COMMERCIAL MUSIC PERFORMANCE (AA)**

1 credit (2 lab hours)

Prerequisite: MUT 1112 or permission of instructor

This course is a performance laboratory experience in commercial music with concentration on repertoire, style, and management of commercial engagements. This will be the Recording Studio Project ensemble. May be repeated for credit.

**MUM 1620L SOUND REINFORCEMENT AND FUNDAMENTALS LABORATORY (AA)**

1 credit (2 lab hours)

Prerequisites: MUM 2601, MUM 2601L, or consent of instructor. Designed to provide students with "hands on" experience in using sound equipment during music department performance activities.

**MUM 2600 RECORDING TECHNIQUES I (AA)**

3 credits (3 lecture hours)

Corequisite: MUM 2600L

This course is an introduction to techniques, practices, and procedures in making eight-track recordings. The student will gain experience with acoustical balancing, editing and over-dubbing in a wide variety of sound situations.

**MUM 2600L RECORDING TECHNIQUES I LABORATORY (AA)**

1 credit (2 lab hours)

Corequisite: MUM 2600

Offers directed guidance in studio recording techniques as presented in Recording Techniques I (MUM 2601).

**MUM 2601 RECORDING TECHNIQUES II (AA)**

3 credits (3 lecture hours)

Prerequisites: MUM 2600, MUM 2600L; Corequisites: MUM 2601L

Explores multi-track recording skills and audio production techniques. Emphasis is on mixing board skills, microphone techniques, use of outboard equipment and live two-track recording.

**MUM 2601L RECORDING TECHNIQUES II LABORATORY (AA)**

1 credit (2 lab hours)

Prerequisites: MUM 2600 and MUM 2600L; Corequisites: MUM 2601

Offers directed guidance in studio recording techniques as presented in Recording Techniques II (MUM 2601).

**MUM 2604L MULTI-TRACK MIXDOWN TECHNIQUES (AA)**

1 credit (2 lab hours)

Prerequisites: MUM 2600, MUM 2600L

The application of signal processing gear from a multi-track master recording to stereo mastering machines

**MUN 1021 ■ ELECTRONIC MUSIC ENSEMBLE (AA)**

1 credit (2 lab hours)

Prerequisites: (1) MUT 1112 [Theory 2] or equivalent; (2) MUC 2301 [Electronic Music or equivalent]; (3) Instructor permission required; (4) Owning a synthesizer is recommended; (5) MUT 1351 [Arranging I] is recommended; Corequisites: (1) MVK 2121 [Class Piano II] or equivalent; (2) MVK 1311 [Applied Piano-Freshman] or equivalent.

A multi-keyboard ensemble utilizing electronic and acoustic instruments. Various styles of popular music and original compositions are explored.

**MUN 1120 ■ CONCERT BAND (AA)**

1 credit (2 lab hours)

Any qualified student who enjoys the study and performances of standard concert band literature is eligible to enroll for credit or audit. Some band instruments are available for student use.

**MUN 1210 ■ CONCERT ORCHESTRA (AA)**

1 credit (3 lab hours)

Provides opportunity for experience in playing orchestral literature. All qualified students are eligible to enroll for credit or audit with permission of the department. This course is offered by cooperative agreement with Palm Beach Atlantic College.

**MUN 1310 ■ CONCERT CHORUS (AA)**

1 credit (3 lab hours)

Membership is open to all students. Students participate in the study and performance of choral music. May enroll for credit or audit.

**MUN 1410 R STRING ENSEMBLE (AA)**

1 credit (2 lab hours)

Prerequisite: Audition or instructor permission required. Study and performance of literature for string ensembles.

**MUN 1420 R WOODWIND ENSEMBLE (AA)**

1 credit (2 lab hours)

Open to qualified instrumentalists and offers the opportunity to perform original and transcribed music for woodwind instruments. Music from the classical period through the twentieth century will be studied and performed.

**MUN 1430 R BRASS ENSEMBLE (AA)**

1 credit (2 lab hours)

Open to qualified instrumentalists and offers the opportunity to perform original and transcribed music for the brass ensemble. Music from the Renaissance through the twentieth century will be studied and performed.

**MUN 1440 R PERCUSSION ENSEMBLE (AA)**

1 credit (2 lab hours)

Open to qualified instrumentalists and offers the opportunity to perform original and transcribed music for the percussion ensemble. Music from the Renaissance through the twentieth century will be studied and performed.

**MUN 1480 ■ GUITAR ENSEMBLE (AA)**

1 credit (2 lab hours)

This course provides an opportunity to play in acoustic guitar ensembles from duets to octets. Music is taken from classical and jazz literature. Members are selected by audition.

**MUN 1710A ■ / MUN 2710A ■ 12 O'CLOCK JAZZ BAND (AA)**

1 credit (3 lab hours)

Open to qualified instrumentalists and offers practical experience in the study and performance of standard repertoire for the modern jazz ensemble (in the form of a 17-piece big band).

**MUN 1710B ■ / MUN 2710B ■ JAZZ TROMBONE ENSEMBLE (AA)**

1 credit (2 lab hours)

Open to qualified instrumentalists and offers practical experience in the study and performance of standard repertoire for the modern jazz trombone ensemble (in the form of a trombone big band, complete with rhythm section).

**MUN 1710C ■ / MUN 2710C ■ JAZZ COMBO (AA)**

1 credit (2 lab hours)

Open to qualified instrumentalists and vocalists, and offers practical experience in the study and performance of standard repertoire for the modern jazz ensemble (in the form of a small jazz ensemble, usually consisting of a pianist, drummer, bass player, guitarist, and one or two horns, and sometimes a vocalist).

**MUN 1710D R / MUN 2710D ■ TUESDAY NITE JAZZ BAND (AA)**

1 credit (2 lab hours)

Open to qualified instrumentalists, and offers practical experience in the study and performance of advanced repertoire for the modern jazz ensemble (in the form of a 17-piece big band).

**MUN 1710E ■ / MUN 2710E ■ JAZZ GUITAR ENSEMBLE (AA)**

1 credit (2 lab hours)

Open to qualified instrumentalists, and offers practical experience in the study and performance of standard repertoire for the modern jazz ensemble (in the form of an electric guitar ensemble).

**MUN 1720 ■ TROUBADOURS (AA)**

1 credit (3 lab hours)

This select ensemble combines vocal performers with instrumental accompanists and performs contemporary sounds of folk, pop, jazz and rock music for the college, civic organizations and at area high schools. Members are selected by annual audition in August, and membership remains fixed through Fall and Spring semesters.

**MUN 2340 CHAMBER SINGERS (AA)**

1 credit (2 lab hours)

Prerequisite: Membership by audition or instructor permission required

This course is a study and performance of sacred and secular chamber music of the sixteenth and seventeenth centuries and of contemporary works suitable for a small group of singers.

**MUN 2510 R PIANO VOCAL/INSTRUMENTAL ACCOMPANYING (AA)**

1 credit (2 lab hours)

Prerequisite: MVK 1311R (two semesters) or approval of piano faculty; Corequisite: MVK 2321R

Accompanying vocal and instrumental students in rehearsal and performance.

**MUS 0010L RECITAL SEMINAR (AA)**

0 credit (1 lecture hour)

Music majors meet together one hour a week each semester to attend lectures, workshops, film showings, artists' performances and student recitals. The seminar programs are planned to supplement the required music curriculum. Attendance and participation are a requirement of students enrolled in applied music courses.

**MUT 1001 FUNDAMENTALS OF MUSIC (AA)**

3 credits (3 lecture hours)

Basic foundations of music including notation, scales, key signatures, triads, major and minor keys, intervals, rhythm, keyboard orientation. This is the preparatory course to MUT 1111 and MUT 1241. Offered Fall semesters only.

**MUT 1111 MUSIC THEORY I (AA)**

3 credits (3 lecture hours)

Corequisite: MUT 1241

This course begins with a short review of the basic foundations of music offered in MUT 1001. It continues with harmonic practices in four-part writing, including primary chords in first and second inversion and cadences. This is a university-parallel course for students majoring in music.

**MUT 1112 MUSIC THEORY II (AA)**

3 credits (3 lecture hours)

Prerequisite: MUT 1111 or equivalent; Corequisite: MUT 1242  
 Continuation of MUT 1111, Music Theory I and includes secondary chords, harmonizations of melodies, uses and practices of figured bass, proper usage of non-chord tones and diatonic seventh chords. Offered Spring and Summer A only.

**MUT 1241 EAR TRAINING AND SIGHT SINGING I (AA)**

1 credit (2 lab hours)

Corequisite: MUT 1111 or equivalent  
 Includes aural dictation and provides a practical approach to sight-singing techniques including pitch and rhythmic reading with emphasis on diatonic materials.

**MUT 1242 EAR TRAINING AND SIGHT SINGING II (AA)**

1 credit (2 lab hours)

Prerequisite: MUT 1241; Corequisite: MUT 1112  
 This is a continuation of MUT 1241. Offered Spring and Summer A only.

**MUT 1351 JAZZ ARRANGING I (AA)**

3 credits (3 lecture hours)

Prerequisite: MUT 1112 or instructor permission required  
 This course is a study of arranging music in popular and jazz styles. Topics include chord symbols, notation, voicing, rhythm section, transposition and style. Arrangements for various small instrumental combinations will be evaluated in class. Offered only in Fall semester of odd-numbered years.

**MUT 1352 JAZZ ARRANGING II (AA)**

3 credits (3 lecture hours)

Prerequisite: MUT 1351 or equivalent  
 This is a continuation of MUT 1351. Offered only in Spring semester of even-numbered years.

**MUT 2116 MUSIC THEORY III (AA)**

3 credits (3 lecture hours)

Prerequisite: MUT 1112 or equivalent; Corequisite: MUT 2246  
 This is a continuation of MUT 1112 Music Theory II. Introduces chromatic vocabulary of Common Practice Period with use of Secondary Dominant Chords, Secondary Diminished Seventh Chords and Augmented Sixth Chords, Neapolitan Sixth Chords, Modal Change and Modulation. Offered Fall semesters only.

**MUT 2117 MUSIC THEORY IV (AA)**

3 credits (3 lecture hours)

Prerequisite: MUT 2116 or equivalent; Corequisite: MUT 2247  
 This is a continuation of MUT 2116, Music Theory III. Introduces extended tertian harmony and non-tertian harmony, post-common practice harmony, twelve-tone serialism, and major forms. Offered Spring semesters only.

**MUT 2246 EAR TRAINING AND SIGHT SINGING III (AA)**

1 credit (2 lab hours)

Prerequisite: MUT 1242; Corequisite: MUT 2116  
 Includes aural dictation and a practical approach to sight-singing techniques including pitch and rhythmic reading with emphasis on chromatic materials. Offered Fall semesters only.

**MUT 2247 EAR TRAINING AND SIGHT SINGING IV (AA)**

1 credit (2 lab hours)

Prerequisite: MUT 2246; Corequisite: MUT 2117  
 This course is a continuation of MUT 2246. Offered Spring semesters only.

**MUT 2641 INSTRUMENTAL IMPROVISATION (AA)**

1 credit (2 lab hours)

Prerequisite: MUT 1001 or instructor permission required  
 This is a laboratory session involving application of scales, chords, and melody to musical phrasing and expression in jazz.

**MVK 1111 A CLASS INSTRUCTION - PIANO I (AA)**

1 credit (2 lab hours)

Class lessons for beginning piano students. Instruction includes elementary technical exercises for developing keyboard facility and music reading. Not repeatable for credit.

**MVK 1111 B CLASS INSTRUCTION - PIANO II (AA)**

1 credit (2 lab hours)

Prerequisite: MVK 1111 A or equivalent  
 This is a continuation of MVK 1111 A with attention to intermediate level keyboard literature and developing skills such as reading, technique, harmonization, and transposition. Not repeatable for credit.

**MVK 2121 CLASS INSTRUCTION - PIANO III (AA)**

1 credit (2 lab hours)

Prerequisite: MVK 1111 B or equivalent  
 This course is a continuation of MVK 1111 B, where keyboard skills are further developed. Attention is given to sight-reading, technique, harmonizing, improvising and transposing of the intermediate and advanced levels. Not repeatable for credit.

**MVK 2122 CLASS INSTRUCTION - PIANO IV (AA)**

1 credit (2 lab hours)

Prerequisite: MVK 2121 or equivalent  
 This course is a continuation of MVK 2121 with special consideration given to preparing the student for the Upper Division Piano Proficiency Examination. Not repeatable for credit.

**MVS 1116 A CLASS INSTRUCTION - GUITAR I (AA)**

1 credit (2 lab hours)

Class lessons for beginning students. Instruction includes elementary technical exercises, fundamental chords, chord progression, playing folk music, simple accompaniments, and music reading. Students must furnish their own instruments.

**MVS 1116 B CLASS INSTRUCTION - GUITAR II (AA)**

1 credit (2 lab hours)

Designed for the student who has an elementary-playing facility on the guitar. Instruction is given in playing of chords, scales, arpeggios, solos, sight-reading and ensemble playing. Students must furnish their own instruments.

**MVV 1111 A CLASS INSTRUCTION - VOICE I (AA)**

1 credit (2 lab hours)

This course covers techniques of posture, tone production, expression, diction, music reading, and repertoire.

**MVV 1111 B CLASS INSTRUCTION - VOICE II (AA)**

1 credit (2 lab hours)

Prerequisite: MVV 1111 A or equivalent

This is a continuation of MVV 1111 A.

**MUSIC APPLIED PRIVATE INSTRUCTION (AA)  
(FRESHMAN/SOPHOMORE)**

Corequisite: MUS 0010L (Recital Seminar)

Four semesters of applied private lessons are required for all music majors. Non-music majors and non-degree-seeking students may take private lessons only by permission of the Music Department Chairman. Applied private lessons in the Fall and Winter terms are for one hour per week (2 credits) and numbered in the 1300/2300 series. Applied private lessons in the Summer A and Summer B terms are for one hour per week (1 credit) and numbered in the 1200/2200 series. Individual instruction in a specific musical performance area (brass, keyboard, percussion, strings, voice or woodwinds) is given, including work on proper posture, breathing, tone color and expression. If enrolled for the second or subsequent semester, the student is expected to perform in a departmental recital. The letter "R" is added to the common course number for each applied music course indicating that the course is repeatable up to nine (9) times for credit.

**Fall/Winter Term 1300/2300 Series****BRASSES - FRESHMAN LEVEL**

MVB 1311 R	Trumpet (AA)	2 credits (one hour per week)
MVB 1312 R	Horn (AA)	2 credits (one hour per week)
MVB 1313 R	Trombone (AA)	2 credits (one hour per week)
MVB 1314 R	Baritone Horn (AA)	2 credits (one hour per week)
MVB 1315 R	Tuba (AA)	2 credits (one hour per week)

**BRASSES - SOPHOMORE LEVEL**

MVB 2321 R	Trumpet (AA)	2 credits (one hour per week)
MVB 2322 R	Horn (AA)	2 credits (one hour per week)
MVB 2323 R	Trombone (AA)	2 credits (one hour per week)
MVB 2324 R	Baritone Horn (AA)	2 credits (one hour per week)
MVB 2325 R	Tuba (AA)	2 credits (one hour per week)

**KEYBOARD - FRESHMAN LEVEL**

MVK 1311 R	Piano (AA)	2 credits (one hour per week)
MVK 1313 R	Organ (AA)	2 credits (one hour per week)
MVK 1314 R	Jazz Piano (AA)	2 credits (one hour per week)

**KEYBOARD - SOPHOMORE LEVEL**

MVK 2321 R	Piano (AA)	2 credits (one hour per week)
MVK 2323 R	Organ (AA)	2 credits (one hour per week)
MVK 2324 R	Jazz Piano (AA)	2 credits (one hour per week)

**PERCUSSION - FRESHMAN LEVEL**

MVP 1311 R	Percussion (AA)	2 credits (one hour per week)
------------	-----------------	-------------------------------

**PERCUSSION - SOPHOMORE LEVEL**

MVP 2321 R	Percussion (AA)	2 credits (one hour per week)
------------	-----------------	-------------------------------

**STRINGS - FRESHMAN LEVEL**

MVS 1311 R	Violin (AA)	2 credits (one hour per week)
MVS 1312 R	Viola (AA)	2 credits (one hour per week)
MVS 1313 R	Cello (AA)	2 credits (one hour per week)
MVS 1314 R	String Bass (AA)	2 credits (one hour per week)
MVS 1315 R	Harp (AA)	2 credits (one hour per week)
MVS 1316 R	Classical Guitar (AA)	2 credits (one hour per week)

MVS 1317 R	Bass Guitar (AA)	2 credits (one hour per week)
MVS 1318 R	Jazz Guitar (AA)	2 credits (one hour per week)

**STRINGS - SOPHOMORE LEVEL**

MVS 2321 R	Violin (AA)	2 credits (one hour per week)
MVS 2322 R	Viola (AA)	2 credits (one hour per week)
MVS 2323 R	Cello (AA)	2 credits (one hour per week)

**INSTRUMENTAL ENSEMBLES**

MVS 2324 R	String Bass (AA)	2 credits (one hour per week)
MVS 2325 R	Harp (AA)	2 credits (one hour per week)
MVS 2326 R	Classical Guitar (AA)	2 credits (one hour per week)
MVS 2327 R	Bass Guitar (AA)	2 credits (one hour per week)
MVS 2328 R	Jazz Guitar (AA)	2 credits (one hour per week)

VOICE - FRESHMAN LEVEL	MVV 1311 R	Voice (AA)	2 credits (one hour per week)
VOICE - SOPHOMORE LEVEL	MVV 2321 R	Voice (AA)	2 credits (one hour per week)

WOODWINDS - FRESHMAN LEVEL	MVV 1311 R	Flute (AA)	2 credits (one hour per week)





<tbl\_r cells="4" ix="5" maxc

**NUR 1022L NURSING I SKILLS LAB (AAS)**

1 credit (3 lab hrs)

Prerequisites: CHM 1015, HSC 1000/1000L, Procalc 80% proficiency, BSC 1085/1085L, HSC 1010 or NUR 2130; Corequisites: MCB 2010/2010L, BSC 1086/1086L, NUR 1023/NUR 1023L, NUR 1144

Students will achieve basic client care skills that are utilized or delegated by the nurse to implement the nursing process. Students gain competency by practicing skills in a supportive and supervised environment in the college campus lab. Includes one hour per week of "Wellness Circle" for development of problem-solving skills. This course may be taken independently with special permission. Lake Worth only. Special fee required.

**NUR 1023 NURSING I (AS)**

4 credits (4 lecture hours)

Prerequisites: CHM 1015, Procalc 80% competency, BSC 1085, BSC 1085L, HSC 1000/1000L, HSC 1010 (or NUR 2130) and admission to the Nursing program; Corequisites: MCB 2010/2010L and BSC 1086/1086L, NUR 1023L, NUR 1022L, NUR 1144

Introduces nursing as a holistic profession, which cares for and supports wellness for one's self and other's across the lifespan. At the completion of this course the student will have acquired a variety of "tools" for providing nursing care by utilizing five concepts of human functioning. They are: oxygenation, cellular integrity, regulation, sensory/perception/cognition and mobility. This is accomplished through the creation of "learning environments" which honor and maximize student learning styles. Special fee required. Lake Worth only.

**NUR 1023L NURSING I CLINICAL (AS)**

3 credits (9 lab hours)

Prerequisites: CHM 1015 or higher, Procalc 80% proficiency, BSC 1085/1085L, HSC 1000 and HSC 1010 or NUR 2130; Corequisites: MCB 2010/2010L, BSC 1086/1086L, NUR 1023, NUR 1022L, NUR 1144

The beginning nursing student will integrate content from classroom learning activities and skills lab practice experiences. Care will be provided to selected clients across the lifespan in a variety of settings. Focus is on assessment and wellness. Special fee required. Lake Worth only.

**NUR 1144 INTRODUCTION TO PHARMACOTHERAPEUTICS (AS)**

2 credits (2 lecture hours)

Prerequisites: CHM 1015, Procalc 80% proficiency, BSC 1085/1085L, HSC 1000, HSC 1000L, HSC 1010 or NUR 2130; Corequisites: MCB 2010/2010L, BSC 1086/1086L

This course introduces the beginning level nursing student to the concept of pharmacotherapeutics. At the completion of this course the student will have an understanding of the major drug classifications as they relate to the nursing process and the five concepts of human functioning. Lake Worth only.

**NUR 1212 NURSING II (AAS)**

7 credits (7 lecture hours)

Prerequisites: MCB 2010/2010L, BSC 1086/1086L, NUR 1023 and 1023L, NUR 1022L, NUR 1144; Corequisites: NUR 1212L and 1213L, HLP 1083, HUN 1201

Using the concepts of oxygenation, cellular integrity, regulation, perception/sensory/cognition and mobility, the theories of holism and goal attainment will be applied to commonly occurring human responses to health challenges of individuals and families across the lifespan. The focus is upon the use (application) of the concepts to

assist individuals to meet their goals. A variety of nursing practice settings will be explored.

**NUR 1212L NURSING II CLINICAL (AS)**

4 credits (12 lab hrs)

Prerequisites: MCB 2010/2010L, BSC 1086/1086L, NUR 1022L, NUR 1023/1023L, NUR 1144; Corequisites: NUR 1212, NUR 1213L, HLP 1083, HUN 1201

The continuing nursing student will integrate content from classroom learning activities and skills lab when caring for individuals with commonly occurring human responses to health challenges. Practice involves, but is not limited to: well childbearing families, pediatric, adult, geriatric clients in a variety of acute, extended and out-patient care environments. Lake Worth only. Special fee required.

**NUR 1213L NURSING II SKILLS LAB (AS)**

1 credit (3 lab hours)

Prerequisites: MCB 2010/2010L, BSC 1086/1086L, NUR 1144, NUR 1023/1023L, NUR 1022L, Procalc 80% proficiency; Corequisites: NUR 1212, NUR 1212L, HUN 1201, HLP 1083

Students will achieve complex client care skills that are utilized by the nurse to implement the nursing process. Students gain competency by practicing skills in a supportive and supervised environment in the college campus lab. Includes one hr/week of "Wellness Circle" for the development of problem-solving skills. Lake Worth only. Special fee required.

**NUR 2000L INTRODUCTION TO PROFESSIONAL NURSING (AS)**

1 credit (3 lab hours)

Prerequisite: LPN; transitional students

This course must be taken prior to entering the nursing program. This course is designed as a transitional course for the LPN or transfer student who is becoming a professional nurse. This course encompasses the areas of role definition; providing/ managing care of individuals and groups utilizing goal attainment to reach an optimum state of health and wellness. Lake Worth only.

**NUR 2041 NURSING AMONG THE GUATEMALAN CULTURE (AS)**

1 credit (1 lecture hour)

Prerequisite: Allied health student or professional; Corequisite: NUR 2041L

This course will introduce the student to the primary health care delivery in the developing country of Guatemala. It will provide opportunities to gain an understanding of the social, political and economic issues while gaining an increased cultural awareness and sensitivity. Lake Worth only.

**NUR 2041L CLINICAL OUTREACH IN GUATEMALA (AS)**

2 credits (2 lab hours)

Prerequisite: Allied Health professional or student; Corequisite: NUR 2041

Through participation in rural primary health care, the individual will be introduced to the social, economic, political and health care issues of Guatemala. Included will be issues of cultural diversity, utilization of the "keys to primary health," identification and monitoring of common tropical and recurring health problems as seen in a tent clinic in Guatemala. Lake Worth only. Expenses for travel required.

**NUR 2070 OVERCOMING COMMUNICATION BARRIERS WITH THE HISPANIC PATIENT (ATC)**

1 credit hour (1 lecture hour)

This course is designed to assist the participant in understanding and communicating with Hispanic clientele. The curriculum is structured to discuss the cultural aspects that influence healthcare, as well as practicing different methods for communicating with Hispanic clients, including verbal and non-verbal techniques. This is a fun, interactive and stress free course. Special fee required.

**NUR 2091 ADVANCED PRINCIPLES OF I.V. THERAPY (ATC)**

1 credit (1 lecture hour)

This course is designed for the RN who has a working knowledge of the fundamentals of I.V. therapy. Care of patients with a variety of long and short term central venous catheters will be discussed. Different types of catheters, along with their care, similarities, and differences will be included. Hyperalimentation therapy will be addressed as an alternative method of providing for the nutritional needs of the adult. The course includes a theoretical component and a simulated clinical practice.

**NUR 2096 PHYSICAL ASSESSMENT OF THE NEUROLOGICAL SYSTEMS - PART I (ATC)**

1 credit (1 lecture hour)

The complexities of neuroanatomy and neurophysiology often limit the nurse's appreciation of the value of specific tools of physical assessment available to extrapolate valuable data regarding patient morbidity and mortality. It is the goal of this course to provide participants with a brief introduction to basic techniques employed in the physical assessment of the neurological system. Hands on, as well as didactic components, will be utilized.

**NUR 2130 HUMAN GROWTH AND DEVELOPMENT (AA)**

3 credits (3 lecture hours)

Introduces the student to the principles and processes of normal human growth and development. The student will understand and apply these concepts to specific age groupings, from conception through death. Health care implications and adaptations will be integrated with course content. Biopsychosocial forces will be studied in relation to their effects on the range of normal human behaviors. Effective communication techniques will be studied, with emphasis on the use of therapeutic skills. Lake Worth only. Special fee required.

**NUR 2144 PHARMACOTHERAPEUTICS OF THE CRITICALLY ILL ADULT (ATC)**

2 credits (2 hours lecture)

Prerequisite: Current RN license

This course provides an in-depth analysis of the actions and interactions of currently used pharmacological interventions for the critically ill patient. Dosing, drug calculations and application of therapeutic effect will also be included. Case studies will be discussed for titration of hemodynamic altering medications.

**NUR 2191 CARDIO-PULMONARY PHARMACOTHERAPEUTICS (ATC)**

2 credits (2 lecture hours)

Prerequisite: Current RN license

This course is designed to provide the student with concepts of pharmacology and pharmacotherapeutics in relation to classification and physiological effects of the cardiovascular and respiratory systems, including nursing implications and client/patient education.

**NUR 2171 INTRODUCTION TO COMPLEMENTARY AND ALTERNATIVE MEDICINE (CAM) (ATC)**

2 credits (2 lab hours)

This course is designed for practicing Registered Nurses (and other health care providers) who are interested in developing new skills in relating to patients in a holistic manner using a CAM basis and understanding. This holistic approach is founded on both ancient and contemporary philosophies, which acknowledge and integrate all four aspects of self-physical, mental, emotional and spiritual. Emphasis will be placed on heightened self-awareness and self-care to be expanded to facilitate heightened awareness and care of patients. Course presentations will be dynamic, experiential and interactive.

**NUR 2172 HARNESSING ENERGY FOR HEALING (ATC)**

2 credits (2 lab hours)

This course is designed for practicing Registered Nurses (and other health care providers) who are interested in developing new skills I with which to relate to patients in a holistic manner using a body-mind healing perspective. Various forms of self-massage and healing touch will be explored as well as guided imagery, affirmation and prayer. These self-empowering techniques, anchored in a field of Complementary and Alternative Medicine (CAM) are used to facilitate wellness, reduce stress and prevent disease. Emphasis will be placed on heightened self-awareness and self-care to expand a heightened awareness and care of patients. Course presentations will be dynamic, experiential, and interactive.

**NUR 2215 NURSING III (AS)**

8 credits (8 lecture hours)

Prerequisites: NUR 1212, NUR 1212L, NUR 1213L, HUN 1201, HLP 1083, ENC 1101; Corequisite: HLP 1087, NUR 2215L

Using the concepts of oxygenation, cellular integrity, regulation, perception/sensory/cognition and mobility, the theories of holism and goal attainment will be differentiated across the lifespan related to less-commonly occurring human responses to health challenges. The focus is on the application and analysis of these concepts to assist individuals to achieve their goals. Lake Worth only. Special fee required.

**NUR 2215L NURSING III CLINICAL (AS)**

4 credits (12 lab hours)

Prerequisites: NUR 1212, NUR 1212L, NUR 1213L, HUN 1201, HLP 1083, ENC 1101; Corequisites: NUR 2215, SYG 2000, HLP 1087

Using the concepts of oxygenation, cellular integrity, regulation, perception/sensory/cognition, mobility, the theories of holism and goal attainment will be analyzed and applied to the nursing care of clients across the lifespan with less-commonly occurring human responses to health challenges. Clinicals will occur with childbearing families, pediatric, adult, and geriatric patients in a variety of environments including acute care facilities, mental health facilities, and out-patient centers. Lake Worth only. Special fee required.

**NUR 2241 MEDICAL-SURGICAL NURSING (ATC)**

6 credits (6 lecture hours)

Prerequisite: Current RN license, current CPR-BLS (Level C); Corequisite: Professional Liability and Accident Insurance.

This course provides an up-to-date study of the role of the registered nurse caring for the medical-surgical patient. Health care management issues will be discussed as they relate to area demographics. A systemic analysis of pathophysiological states will be

the primary focus of the course, along with determining a plan of care based on the nursing process. The integration of discussed concepts and interpretation of outcomes will be incorporated through utilization of case studies. Critical thinking and situation analysis will be an essential component of the course.

#### **NUR 2252 COMMUNITY HOME/HEALTH NURSING: STANDARDS AND REGULATIONS (ATC)**

4 credits (4 hours lecture)

Prerequisites: Current RN license, NUR 2241

This course offers the participant knowledge of the (1) interrelationships of home care with other providers in the health care system, (2) trends in home care, (3) professions that have applicability to home care and the role of the nurse in home care. Applicable pay or, state and federal regulations will be covered as they relate to home care agency practice.

#### **NUR 2274C ER/TRAUMA NURSING (ATC)**

6 credits (4 lecture hours, 2 lab hour)

Prerequisites: Current RN license, current ACLS certification and NUR 2297 or challenge exam

This course will provide information on the broad scope of practice endemic to emergency nursing. The pathophysiology of injuries and medical emergencies will be reviewed. Rapid and systematic assessment tools and interventions utilized in emergency nursing care will be introduced. Special fee required.

#### **NUR 2291C CRITICAL CARE NURSING (ATC)**

6 credits (4 lecture hours, 6 clinical hours)

Prerequisites: Current RN license, NUR 2297 or successful challenge exam, NUR 2935 or successful challenge exam. NUR 2294C meets both these prerequisites

Designed for practicing registered nurses interested in developing new skills in the management of critically ill patients. The approach is unique and stresses nursing process and nursing management along with pathophysiology.

#### **NUR 2293C PERIOPERATIVE NURSING (ATC)**

6 credits (4 lecture hours, 6 clinical hours)

Prerequisites: (1) RN licensed in Florida; (2) minimum of six months medical/surgical nursing; (3) employed at a hospital or has agreement with operating room to act as preceptor; (4) current BCLS certification; (5) professional liability and accident insurance

Prepares registered nurses for beginning level employment as staff nurses in the operating room.

#### **NUR 2294C CARDIOVASCULAR NURSING (ATC)**

6 credits (4 lecture hours, 6 clinical hours)

Prerequisites: Current RN license, NUR 2935 or successful challenge exam or NUR 2291C

This is a course for graduate nurses and involves the study of pathophysiology and electrophysiology and nursing care of the client with acute and chronic ischemic heart disease. The course emphasizes clinical integration with theory. Resource people are used in areas of specialization. Clinical integration of the theoretical component is consistently emphasized through use of case studies.

#### **NUR 2296 PHYSICAL ASSESSMENT OF ADVANCED CONCEPTS OF ARRHYTHMIA INTERPRETATION (ATC)**

2 credits (2 lecture hours)

Prerequisite: Current RN license, NUR 2935 or successful challenge exam or NUR 2291C or NUR 2294C

This course of study is designed for health care providers who have

successfully completed a Basic EKG course and a 12 Lead course. This class will incorporate the databases from these previous courses as well as introduce additional (more advanced) concepts of arrhythmia interpretation. Physical assessment of arrhythmia will be stressed and a case presentation format consistently utilized.

#### **NUR 2297 CLINICAL INTEGRATION OF BASIC ELECTRO-CARDIOGRAPHY FOR NURSES (ATC)**

3 credits (3 hours lecture)

Prerequisite: Current RN license

This course prepares participants to interpret EKG rhythm strips. The class time is divided between lecture and strip reading. Medical and nursing interventions related to EKG rhythm interpretation are discussed. Clinical integration of basic electrocardiographic principles through utilization of case study format will be consistently emphasized.

#### **NUR 2392 PEDIATRIC INTENSIVE CARE NURSING (ATC)**

6 credits (6 hours lecture)

Prerequisite: RN with current Florida license

This course of study is designed for the registered nurse who desires an in-depth knowledge of the critically ill or injured pediatric patient. A systems approach will be presented culminating in the recognition of the pathophysiology, treatment modalities and psychosocial interventions for the child and his/her caregivers. The participant will be trained in the rationale for and the management of, invasive monitoring, ventilatory management, lab value interpretations and Pediatric Advanced Life Support.

#### **NUR 2690 COMMUNITY HOME/HEALTH NURSING: DOCUMENTATION (ATC)**

4 credits (4 hours lecture)

Prerequisites: Current RN license, NUR 2252, NUR 2691

With the current health care environment, documentation is playing a key role in the future movement towards outcomes-based care. Outcomes measurement provides a mechanism by which the client's progress can be measured across the time continuum. This course will provide the participant with the knowledge and skills needed to effectively: (1) Utilize standardized measurement tools, (2) Document interventions, (3) Establish patient specific outcomes, (4) Evaluate patient progress towards desired outcomes.

#### **NUR 2691 COMMUNITY HOME/HEALTH: CASE MANAGEMENT (ATC)**

4 credits (4 hours lecture)

Prerequisites: Current RN license, NUR 2252

This course provides the participant with the knowledge and skill needed to effectively manage patient care in the home-care environment. Focus is on care planning to integrate, collaborate, coordinate and advocate for clients and their families requiring home care services.

#### **NUR 2712C NURSING IV (AS)**

5 credits (2 lecture hours, 9 lab hours)

Prerequisites: NUR 2215, NUR 2215L, HLP 1087, SYG 2000; Corequisites: HLP 1088, NUR 2943L

Using the theories of holism and goal attainment, the concepts of oxygenation, cellular integrity, regulation, perception/sensory /cognition and mobility will be applied across the lifespan in the synthesis and evaluation of complex nursing situations in both critical care and community settings. Clinical environments that will be explored include: critical care and ambulatory care/home or home-like settings. Lake Worth only.

#### **NUR 2790 REGISTERED NURSE FIRST ASSISTANT (RNFA) LECTURE (ATC)**

3 credits (3 lecture hours)

Prerequisites: (1) RN with a minimum of two years recent perioperative experience in the roles of scrub, circulator or first assisting; (2) CNOR certification; (3) Must be licensed to practice as a registered nurse in the state in which his/her clinical internship will be accomplished; (4) BCLS certified, ACLS preferred; and (5) Must submit two letters of recommendation.

This course will expand on the basic knowledge of the perioperative nurse. It will emphasize functions and knowledge necessary for the RN First Assistant to acquire so that he/she may be able to assist the surgeon in performing a safe operation with optimal patient outcomes. The unique pre-operative, intraoperative, and post-operative responsibilities of the RNFA will be explained upon using the nursing process. Manual dexterity and performance of these behaviors will be demonstrated as the background for the clinical component. Special fee required.

#### **NUR 2790L REGISTERED NURSE FIRST ASSISTANT (RNFA) CLINICAL (ATC)**

3 credits (9 clinical hours)

Prerequisites: (1) Current copy of malpractice insurance policy specific for the RNFA; (2) Current copy of health insurance policy; (3) Current copy of BCLS card; (4) Completed Heptavax form or waiver; and (5) NUR 2790; Corequisite: NUR 2790

This course allows for the clinical preparation of the perioperative nurse expanding her/his knowledge and skills into the RNFA role. To be directly supervised during this internship by a college approved surgeon mentor of the student's choice. The student will also be assigned to a member of the faculty who will follow the student's clinical activities. The student will not be considered an RN First Assistant Intern (RNFA) until the minimum of 144 clinical hours has been met. Special fee required.

#### **NUR 2791 ANTIBIOTIC AND ANTIINFECTIVE THERAPY (ATC)**

2 credits (2 hours lecture)

Prerequisite: Current RN license

This course is designed to discuss basic concepts of colonization, infection, antibiotic resistance and the role of the immune system in infection prevention and control. Specific microorganisms and drugs of choice for treatment will also be discussed. Special fee required.

#### **NUR 2793 NURSING PROCESS APPLIED TO BASIC PRINCIPLES OF INTRAVENOUS (IV) THERAPY (ATC)**

2 credits (2 lecture hours)

Prerequisite: Current RN license

This course of study is designed to discuss basic principles of intravenous (IV) therapy using the nursing process as a guide to emphasize clinical integration of content. There is a classroom, simulated clinical practice component included in the curriculum.

#### **NUR 2794 CLINICAL ASSESSMENT OF OXYGENATION AND ACID-BASE STATUS (ATC)**

2 credits (2 lecture hours)

Prerequisite: Current RN license

This course prepares the participants to interpret and analyze arterial blood gas reports as they relate to patient presentations seen in the variety of balance and altered oxygenation status, as well as assessment of associated electrolyte disturbance will also be discussed. Clinical integration through use of case study format will be consistently utilized.

#### **NUR 2797 CLINICAL INTEGRATION OF MECHANICAL VENTILATION (ATC)**

2 credits (2 lecture hours)

Prerequisite: Current RN license, NUR 2291C or NUR 2794 This course is designed to overview commonly used modalities of mechanical ventilation. The purpose, initiation, maintenance, weaning, monitoring effectiveness of and termination of mechanical ventilation of the seriously ill adult will be discussed. Measurements and calculations of assessment parameters will be addressed with respect to different pulmonary disease processes through the use of case studies.

#### **NUR 2798 INTENSIVE CARE OF CARDIAC SURGERY PATIENTS (ATC)**

2 credits (2 lecture hours)

This course provides a framework for the experienced health care professional to utilize in caring for the cardiac surgery patient. This course outlines cardiac anatomy and physiology, development of coronary artery and valve disease, surgical procedures for the correction of coronary artery and valve disorders. Explicit nursing care is provided beginning with the preoperative phase and post-operative recovery of the patient. The post-operative care focuses on patient complications related to the cardiac, pulmonary, neurological, endocrine, hemotologic systems and their specific interventions. The newest procedures, the Minimally Invasive Coronary Artery Bypass is described and patient care is outlined.

#### **NUR 2799 PHARMACOLOGY FOR ADVANCED CARDIAC LIFE SUPPORT (ACLS) (ATC)**

2 credits (2 lab hours)

This course is designed to generate a more comprehensive understanding of medications used in Advanced Cardiac Life Support algorithms, including antiarrhythmics, vasopressors, inotrops, and nitrates. Indications for these medications, as well as methods of administration and dosage, side effects, and expected clinical outcomes will be thoroughly discussed. This is not an ACLS certification course. Rather, it is intended to prepare and/or expand the practitioner's understanding of ACLS algorithms.

#### **NUR 2933 INTEGRATION HEALING TOUCH WITH TECHNOLOGY (ATC)**

1 credit (1 lecture hour)

This program is a course of which incorporates a variety of basic to advanced healing modalities. The principles and practices of Holistic Nursing will be discussed. Special fee required.

#### **NUR 2934L CLINICAL PRECEPTORSHIP IN INTRAVENOUS THERAPY (ATC)**

1 credit (3 clinical hours)

Prerequisite: Current RN license, current BCLS certification, professional malpractice insurance, Hepatitis B vaccination or waiver, proof of negative TB test within 6 months, NUR 2793 Component I: Guided multi-media competency-based individualized instruction. Component II: One-on-one practicum in clinical setting, average of four (4) hours (minimum of two, maximum of six) to complete required technical competencies. Special fee required.

#### **NUR 2935 CLINICAL APPLICATIONS OF TWELVE LEAD ELECTROCARDIOGRAPHY (ATC)**

3 credits (3 lecture hours)

Prerequisite: NUR 2297 or successful challenge exam This course is designed to acquaint the participant with basic con-

cepts of 12 lead electrophysiology, with an overall objective to integrate arrhythmia interpretation and specific clinical presentations based on these 12 lead concepts. Areas to be discussed include axis determination, hemiblock, bundle branch block and patterns of injury and/or infarction. Pathophysiology of AV block (i.e., Type 1 vs. Type 2 conduction disturbances) will also be discussed. Emphasis will be placed on 12 lead interpretation and strip interpretation as well as actual case study analysis.

#### **NUR 2942L RN CLINICAL PRECEPTORSHIP (ATC)**

4 credits (12 clinical hours)

This is a hospital based six-week course during which the registered nurse is partnered with an RN preceptor to develop skills as a primary health care professional. During the six weeks, the role of the preceptor is progressed from a novice level of care to one of competence and confidence by directly interacting with patient and other members of the healthcare team. Post conferences will be held once a week to discuss and analyze the experience and to set goals.

#### **NUR 2943L CLINICAL PRECEPTORSHIP (AS)**

4 credits (12 clinical hours)

Prerequisite: Completion of all nursing courses; Corequisites: NUR 2712C, HLP 1088

This course builds on the knowledge and skills obtained in the nursing curriculum and integrates the curriculum concepts in varied/diverse practice settings. Synthesis of management, organizational culture and interpersonal relationship principles are applied with developing independence in the practice of nursing. This course facilitates the students' evaluation of principles and practices of the profession of nursing while assisting in the role transition to a practicing registered nurse. Clinical environments could be, but are not limited to: medical/surgical, mental health, pediatric, maternity, critical care, home, nursing home and extended or ambulatory care units. Lake Worth only. Special fees required.

#### **NUR 2944L CRITICAL CARE NURSING PRECEPTORSHIP (ATC)**

2 credits (6 clinical hours)

Prerequisites: Current RN license, NUR 2291C

This course is designed to provide the professional nurse the opportunity to integrate the information provided in the classroom with the assessment and management of the patient at the bedside and to perform the technical skills studies in the Critical Care Nursing Course. Special fee required.

#### **NUR 2948L CARDIOVASCULAR NURSING PRECEPTORSHIP (ATC)**

2 credits (6 clinical hours)

Prerequisites: Current RN license, NUR 2294C

This course is designed to provide the professional nurse the opportunity to integrate the information provided in the classroom with the assessment and management of the cardiac patient at the bedside and to perform the technical skills studies in Cardiovascular Care. Special fee required.

#### **NUR 2990 PHYSICAL EXAMINATION AND HISTORY TAKING OF THE ADULT - PART I (ATC)**

3 credits (3 hours lecture)

Prerequisite: Current RN license

This course will provide the participant with a systemic approach to a physical examination. Communication techniques for the interviewer will be discussed, with the expected outcome of facilitating a

concise, precise and relevant patient history. Major body system normal and abnormal physical findings will be discussed along with related pathophysiological states.

#### **OCA 0504 BUSINESS APPLICATIONS I (PSAV)**

150 clock hours

This course provides the student with introductory level skills in word processing, spreadsheets, databases, and presentation software. Emphasis will be on software functions vital to the operation of a business office.

#### **OCA 0506 BUSINESS APPLICATIONS II (PSAV)**

200 clock hours

This course expands on the competencies learned in Business Applications I by exploring advanced business office software applications. Also included is experience using the Internet, electronic mail and office scheduling software.

#### **OCE 1001 INTRODUCTION TO OCEANOGRAPHY (AA)**

3 credits (3 lecture hours)

This course covers the fundamentals of chemical, biological, physical, and geological characteristics of the world ocean system. Special emphasis is placed on Florida and its unique relationship with its surrounding marine environment. A grade of C or higher is required for this course to be used as a General Education course.

#### **OCE 1001L INTRODUCTION TO OCEANOGRAPHY LAB (AA)**

1 credit (2 lab hours)

A hands-on laboratory experience in physical, chemical, biological and geographical oceanography. A grade of C or higher is required for this course to be used as a General Education course. Special fee required. Lake Worth and Palm Beach Gardens only.

#### **ORH 1010 INTRODUCTION TO HORTICULTURE (AS)**

3 credits (3 lecture hours)

This course introduces the science and practices underlying occupations in ornamental horticulture. Horticultural biology, factors affecting plant growth and basic cultural practices are emphasized. A broad perspective of the horticultural industry is also provided.

#### **ORH 1016 ENVIRONMENTAL ISSUES IN HORTICULTURE (AS)**

3 credits (3 lecture hours)

The field of horticulture has a mixed history in relation to the environment. The purpose of this course is to explore the environmental contributions and hazards of South Florida horticulture, and to provide positive environmentally responsible alternatives to questionable historical practices. Topics to be covered include water use; contamination of ground and surface waters; the ecology of pesticides and herbicides; invasive exotic plants; plants and air quality; soil subsidence; horticulture and urban wildlife; xeriscaping; habitat restoration; remediation; and the use of plants in environmentally sensitive design.

#### **ORH 1281 INTRODUCTION TO ORCHIDS AND THEIR CULTURE (AS)**

3 credits (3 lecture hours)

Prerequisite: PLS 2220

Students are provided with an introductory survey of orchid biology and culture along with the taxonomic basis for identifying important genera and species.

#### **ORH 1320 INTRODUCTION TO PALMS AND THEIR CULTURE (AS)**

3 credits (3 lecture hours)

Prerequisite: PLS 2220

The uniqueness of palms and their interesting morphology provide the basis for this introductory course. Students are also introduced to the production and culture of palms that are appropriate for South Florida landscape use.

#### **ORH 1842 LANDSCAPE CONSTRUCTION (AS)**

3 credits (3 lecture hours)

Basic skills in landscape construction including blueprint reading, landscape layout, installation of plant materials, hardscape construction, drainage systems and landscape lighting.

#### **ORH 2220 TURFGRASS CULTURE (AS)**

3 credits (3 lecture hours)

This course is structured to give students a working knowledge of the cultural requirements of cool and warm season turf grasses used in the United States, with emphasis on the warm season grasses used in Florida. Morphology, primary and secondary cultural practices, pest management and propagation will be covered.

#### **ORH 2232 ARBORICULTURE (AS)**

3 credits (3 lecture hours)

This introductory course deals with the selection, planting and care of woody plants. Topics emphasized are establishment, fertilization, pruning and irrigation. Students who master the material are expected to qualify as Certified Arborists with the International Association of Arboriculture.

#### **ORH 2253 NURSERY MANAGEMENT (AS)**

3 credits (3 lecture hours)

This is an introduction to the nursery industry including business management, nursery organization, marketing, inventory control, cultural practices, and pest management.

#### **ORH 2412 PLANT PHYSIOLOGY (AS)**

3 credits (3 lecture hours)

Plant physiology offers students a broad survey of physiological processes and responses of flowering plants to the environment. Water relations, mineral nutrition, photosynthesis, respiration and growth are emphasized.

#### **ORH 2510 ORNAMENTAL PLANT IDENTIFICATION I (AS)**

3 credits (3 lecture hours)

This course focuses on the identification, growth characteristics, culture, and use of subtropical and tropical landscape plants. Materials include trees, shrubs, vines, ground covers, and foliage plants.

#### **ORH 2511 ORNAMENTAL PLANT IDENTIFICATION II (AS)**

3 credits (3 lecture hours)

This course focuses on the identification, growth characteristics, culture and use of landscape plants. Materials include trees, shrubs, vines and ground covers. Temperate species found in central and northern Florida are emphasized.

#### **ORH 2521 HORTICULTURAL TAXONOMY (AS)**

3 credits (3 lecture hours)

This course will provide an overview of the principles of plant classification relevant to horticulture, and an overview of the major plant groups involved in South Florida horticulture. The course will also provide insights into plant nomenclature and informational retrieval on horticultural plants.

#### **ORH 2601 HORTICULTURE SALES AND SERVICES (AS)**

3 credits (3 lecture hours)

Prerequisites: ORH 1010, BUL 2240, MAR 2011, MKA 1041

Management insights provided in business courses are applied to sales and services in the horticulture industry. The merchandising of plant materials and the provision of contractual services that can be offered by various types of horticulture businesses are emphasized.

#### **ORH 2830 INTRODUCTION TO LANDSCAPE DESIGN (AS)**

3 credits (3 lecture hours)

This introductory course teaches the theory and practice of landscape design. Students will be given a basic understanding of the design process that includes a needs survey, site and project analysis, base plan and design preparation, budgeting and presentation.

#### **ORH 2835 COMPUTER-AIDED LANDSCAPE DESIGN (AS)**

3 credits (3 lecture hours)

Prerequisite: ORH 2830 or consent of instructor

In this course students with introductory design skills are taught the advanced techniques of computer-aided landscape design. Proficiency in generating finished designs, estimating, and plotting are emphasized.

#### **ORH 2873 INTERIORSCAPE DESIGN AND MAINTENANCE (AS)**

3 credits (3 lecture hours)

This is an overview of interiorscape design principles and maintenance. Course content includes foliage plant identification and selection, site analysis, design layout, installation, maintenance fertilization and contracting.

#### **ORH 2949C ORNAMENTAL HORTICULTURE WORK EXPERIENCE/INTERNSHIP (AS)**

3 credits (1 lecture hour, 15 lab hours)

Prerequisite: Student must have completed at least 12 credit hours

with a minimum of 2.0 grade point average

This program combines campus study with directly related work experience in the horticulture field. College credit is given for the learning, which occurs as a result of working in the green industry. Students are required to work 15 hours per week in a horticulture position. Learning objectives are developed by the student, industry supervisor and faculty coordinator. Class meetings and personal conferences are held to discuss progress and resolve problems encountered in the work environment.

#### **ORI 2000 ORAL INTERPRETATION OF LITERATURE (AA)**

3 credits (3 lecture hours)

Basic principles of oral interpretation as applied to interpretation of prose, drama and poetry. Teaches the art of communicating to an audience works of literary art in their intellectual, emotional and aesthetic entirety. Using classical and contemporary literature, students learn how to select, evaluate, analyze, prepare and present material. Reader's Theater and individual interpretation are studied. Recitals to which other students and guests may be invited are an important part of this course.

#### **OST 0080 KEYBOARDING (PSAV)**

45 clock hours

This course provides instruction in touch operation of the alphabetic and numeric keyboard. Emphasis will be on the development of basic keyboarding skills needed to perform business and word processing activities.

**OST 0104 KEYBOARDING/WORD PROCESSING II (PSAV)**

30 clock hours

This course reinforces skills acquired in Keyboarding/Word Processing I as well as introduces more advanced applications. Primary emphasis is placed on document production and increasing speed and accuracy on the keyboard.

**OST 0105 INFORMATION PROCESSING (PSAV)**

30 clock hours

This course is designed to teach manual and electronic filing using the rules of alphabetic, subject, numeric and chronological filing procedures. Filing techniques and records management procedures will be discussed. Data entry concepts will be introduced.

**OST 0111 WORD PROCESSING FOR THE HEALTH PROFESSIONAL (PSAV)**

45 clock hours

This course will introduce basic word processing concepts and functions. Students will learn how to enter and modify text, format documents and use various word processing tools.

**OST 0465 OFFICE OPERATIONS I (PSAV)**

75 clock hours

This course will introduce students to technology and communication skills used in the office environment, business math problem solving and office career preparation. Major emphasis will be placed on decision making, critical thinking skills, business ethics and office trends.

**OST 0466 OFFICE OPERATIONS II (PSAV)**

75 clock hours

This course builds on the knowledge and skills gained in Office Operations I. In addition, ethics in the workplace, emerging office trends, office communication and leadership will be covered. Additional focus will be placed on employment, resumes, cover letters and interviewing techniques.

**OST 1100C BEGINNING KEYBOARDING (AS)**

3 credits (1 lecture hour, 4 lab hours)

This course covers the keyboard, vertical and horizontal centering, memoranda, business letters, tabulation, reports and tables. Lake Worth only. Special fee required.

**OST 1108 BUILDING TYPING SPEED AND ACCURACY (AS)**

1 credit (1 lab hour)

This course is designed to build typing speed and accuracy at the computer keyboard through computerized diagnostic testing and practice. Students enrolled in this course must be able to touch type prior to entering this course. Lake Worth only. Special fee required.

**OST 1110C INTERMEDIATE KEYBOARDING (AS)**

3 credits (1 lecture hour, 4 lab hours)

Prerequisite: OST 1100C

This course covers business letters with special features, interoffice memos, agendas, news releases, minutes, reports, letters of application, resumes and tabulation. Lake Worth only. Special fee required.

**OST 1141 KEYBOARDING FOR MICROCOMPUTER (AS)**

1 credit (2 lab hours)

This course teaches "touch" level skills for alphanumeric keys with appropriate control. A minimum of 21 words per minute is required. Lake Worth only. Special fee required.

**OST 1211C SHORTHAND I (AS)**

3 credits (1 lecture hour, 4 lab hours)

This course is open to students without previous shorthand instruction. Basic principles of Gregg Shorthand Theory and Practice are offered. A dictation skill of 50 to 70 words a minute is developed. The ability to touch type 35 words a minute is suggested prior to enrolling in this course. Lake Worth only. Special fee required.

**OST 1272C SHORTHAND II (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: OST 1211C

This course is a continuation of OST 1211C. It is designed for those individuals with basic stenographic training and who need to increase their speed to achieve personal or professional goals. The ability to touch type 35 words a minute is suggested prior to enrolling in this course. Lake Worth only. Special fee required.

**OST 1332 BUSINESS PRESENTATIONS (AS)**

3 credits (3 lecture hours)

Prerequisites: ENC 1101, OST 2335

This course is an introduction to principles and techniques necessary to make effective business presentations. Students receive hands-on experience using multimedia technology in developing and delivering presentations. Students develop poise and confidence by participating in a wide range of communication activities. Required work includes a writing component of at least 2,000 words. Word processing skills are suggested. Lake Worth only. Special fee required.

**OST 1810 INTRODUCTION TO DESKTOP PUBLISHING (AS)**

1 credit (1 lecture hour)

This course is designed to give the students an introduction to the basics of producing typeset quality publications using a popular desktop publishing program. Lake Worth only. Special fee required.

**OST 1811 DESKTOP PUBLISHING (AS)**

3 credits (3 lecture hours)

This course covers the use of computers to create typeset quality publications suitable for printing, using a popular desktop publishing program. Lake Worth only. Special fee required.

**OST 1828 PRESENTATION GRAPHICS FOR BUSINESS (AS)**

1 credit (1 lecture hour)

This course is designed to give the student an introduction to the basics of producing presentation software to develop computer generated slide presentations. Lake Worth only. Special fee required.

**OST 1831 MICROSOFT WINDOWS (AS)**

1 credit (1 lecture hour)

This course gives students instruction in the use of Windows. Topics include: customizing the desktop, controlling applications, file management and operation of various accessory programs. Lake Worth only.

**OST 2251C LEGAL TRANSCRIPTION (AS)**

3 credits (2 lecture, 2 lab hours)

Prerequisites: OST 1100C, OST 2431

This course provides instruction for transcribing legal documents into mailable copy. An emphasis is placed on legal terminology, formatting various legal documents, grammar, spelling, and punctuation.

**OST 2335 BUSINESS COMMUNICATIONS (AS)**

4 credits (4 lecture hours)

Prerequisites: ENC 1101, OST 1100C

Students will study the correspondence of the business office with emphasis on composing and analyzing various kinds of business letters and business reports, intensive review of sentence structure, punctuation, capitalization and expression of numbers. Lake Worth only.

**OST 2339 BUSINESS ENGLISH REVIEW (AS)**

1 credit (1 lecture hour)

This course provides quick review of grammar and punctuation fundamentals pertinent to business writing. Lake Worth only. Special fee required.

**OST 2402 OFFICE PROCEDURES AND TECHNOLOGY (AS)**

4 credits (4 lecture hours)

Prerequisites or corequisites: OST 1110C and OST 2335

This course is designed for students who aspire to professional status as a secretary. It covers a wide range of office activities and provides training through simulated office situations. This course should be taken in a student's final terms. Lake Worth only. Special fee required.

**OST 2431 LEGAL OFFICE PROCEDURES (AS)**

4 credits (4 lecture hours)

This course is designed for students who aspire to professional status as a legal secretary. It gives the student an overview of the office procedures required of legal secretaries including preparation of legal documents, provides an introduction to terminology and procedures used in non-litigation and litigation matters, and provides training through simulated office situations. It is recommended that students type at least 35 words a minute prior to entering this course. Word processing skills are strongly encouraged.

**OST 2603C MACHINE TRANSCRIPTION (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: OST 1100C

This course is designed to develop the student's proficiency in transcribing pre-dictated business documents into mailable copy. An emphasis is also placed on grammar, spelling, and punctuation. Lake Worth only. Special fee required.

**OST 2710 INTRODUCTION TO WORD PROCESSING (AS)**

1 credit (1 lecture hour)

This course is designed to give the students an introduction to the basic editing commands and an overview of the features of the word processing software. An ability to touch type 35 words per minute is suggested. Lake Worth only. Special fee required.

**OST 2712 WORD PROCESSING II (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: OST 2714C

Students will develop skill in advanced word processing techniques using the advanced capabilities of Word for Windows. Topics included in the course, but not limited to, advanced merging, macros, envelopes and labels, sorting and selecting, newspaper and parallel columns, tables, desktop publishing using graphics, styles, automatic outlines, styles, footnotes and endnotes, table of contents, indexes, and lists.

**OST 2714C WORD PROCESSING (AS)**

3 credits (2 lecture hours, 2 lab hours)

Students will develop skill in word processing techniques using WordPerfect or Microsoft Word software. Students will use various

features of the program, basic and advanced, including editing, formatting, styles, columns, tables, graphics and desktop publishing. An ability to touch type 35 words per minute is suggested. Lake Worth only. Special fee required.

**OTA 0101 KEYBOARDING / WORD PROCESSING I (PSAV)**

45 clock hours

This course introduces the computer keyboard and develops correct techniques for attaining useful levels of speed and accuracy for keying alphabetic, numeric and symbol keys "by touch." Functions and operations of word processing software will be introduced.

**OTA 0311 APPLIED ENGLISH USAGE (PSAV)**

45 clock hours

This course provides instruction in English grammar and writing skills. Emphasis will be on the review of basic rules of grammar, punctuation, spelling, and correspondence.

**OTA 0431 OFFICE PROCEDURES I-SIMULATION (PSAV)**

150 clock hours

This course provides instruction in standard office procedures including scheduling of appointments, time management, travel arrangements and meeting and conference planning. Emphasis will also be on written communication, English grammar and spelling.

**OTA 0452 OFFICE PROCEDURES II-SIMULATION (PSAV)**

200 clock hours

This course expands on the competencies learned in Office Procedures I. The primary focus will be on advanced administrative office management procedures and work-based simulation activities.

**OTA 0490 PROFESSIONAL DEVELOPMENT (PSAV)**

50 clock hours

This course will prepare the student for a career in the business field. Course content will include interviewing, resume writing, job search, professional etiquette and contemporary issues in the workplace.

**OTA 0602 ICD9-CM CODING (PSAV)**

45 clock hours

Basic diagnosis coding is taught in this 45 contact hours. This course is a combination of lecture and practice sessions.

**OTA 0603 CPT CODING (PSAV)**

45 clock hours

You will learn proper coding procedures for services rendered to ensure optimal reimbursement and minimize rejections and review regulations, which can be applied to daily operations of office billing procedures. Actual billing cases used to provide opportunities for problem-solving and information sharing.

**OTA 0607 INTRODUCTION TO THE MEDICAL OFFICE (PSAV)**

30 clock hours

This course presents an overview of a front office position in a doctor's office. Patient service and philosophy will be discussed, as well as dealing with difficult people and situations. The importance of teamwork with co-workers in an office situation will be stressed. Also included will be appointment scheduling, telephone procedures, ethics and confidentiality, collecting medical and financial information and legal forms.

**OTA 0608 MEDICAL OFFICE CASE STUDIES (PSAV)**

12 clock hours

Case studies of situations and problems for medical offices are provided. Issues of legality and ethics are included.

**OTA 0610 MEDICAL MANAGER (PSAV)**

148 clock hours

Learn the beginning fundamentals of "medical manager" medical practice management software. This course will provide the student with basic knowledge of the software program enabling him/her to focus on job specific functions most often needed in the medical office setting.

**OTA 0616 ACCOUNTS PAYABLE (PSAV)**

30 clock hours

Introduction to accounts payable systems in medical offices including invoices, check writing and categorization of payments.

**OTA 0617 RECORDING PAYMENTS / PATIENT FOLLOW-UP (PSAV)**

24 clock hours

Basic of bookkeeping for a doctor's office including day sheets, bank deposits, insurance EOBs, credit/collection procedures, payments/write-offs.

**OTA 0618 OFFICE PAYROLL (PSAV)**

30 clock hours

Introduction to forms and records needed to pay employees in a medical office.

**OTA 0619 THIRD-PARTY INSURANCE BILLING (PSAV)**

18 clock hours

Be sure to take both ICD-9 and CPT Coding before taking this course. Learn how to determine WHO is billed for a patient's care as well as HOW to bill. Sample insurance and legal forms are included.

**OTA 0659 MEDICAL CODING WITH ICD-9 AND CPT (PSAV)**

60 clock hours

Understand the concepts of using ICD9-CM diagnostic coding for medical records procedures for insurance billing. Textbook required.

**OTH 1001 INTRODUCTION TO OCCUPATIONAL THERAPY (AS)**

3 credits (3 lecture hours)

Introduces the history, philosophy, terminology and underlying concepts of occupational therapy. Lake Worth only.

**OTH 1014C KINESIOLOGY FOR OCCUPATIONAL THERAPY (AS)**

3 credits (2 lecture hour, 2 lab hours)

Prerequisites: BSC 1085/1085L

This course is a detailed analysis of human joint motion and applications for practice. Includes a review of human skeletal and muscular anatomy with an introduction to measuring joint range of motion and manual muscle testing. Lake Worth only. Special fee required.

**OTH 1121C OCCUPATIONS ACROSS THE LIFE SPAN (AS)**

2 credits (1 lecture hour, 2 lab hours)

Prerequisite: NUR 2130; Corequisite: OTH 1001

Explores the occupations performed across the life span with an emphasis on play and leisure activities. Students will have the opportunity to select, analyze, adapt, grade, teach and perform age specific leisure and craft activities. Lake Worth only. Special fee required.

**OTH 1165C DAILY LIVING SKILLS (AS)**

2 credits (1 lecture hour, 2 lab hours)

This course is designed to provide a foundation of daily living skills techniques utilized by the OTA. Topics may include: transfers, wheelchair selection and positioning, wheelchair mobility, equipment, home modifications, therapeutic exercise and safety procedures. Lake Worth only. Special fee required. Liability insurance required.

**OTH 1300C PSYCHOSOCIAL ISSUES IN OCCUPATIONAL THERAPY (AS)**

3 credits (2 lecture hours, 2 lab hours)

Explores how psychosocial skill dysfunction impacts occupational performance. Addresses OT assessment and intervention in medical and community settings and group dynamics. Experiences in facilities that provide services to individuals with psychosocial dysfunction are coordinated with class work. Lake Worth only.

**OTH 1520C OCCUPATIONAL THERAPY WITH THE PEDIATRIC CLIENT (AS)**

6 credits (3 lecture hours, 4 lab hours, 2 clinical hours)

Prerequisite: OTH 1001

Explores the roles and responsibilities of OT practitioners working in pediatric settings. Addresses development, occupational performance, pediatric conditions, and OT assessment and intervention strategies in medical, educational and community settings. Experiences in facilities that provide services to children will be coordinated with class work. Special fee required. Liability insurance required. Lake Worth only.

**OTH 1700 PROFESSIONAL DEVELOPMENT (AS)**

3 credits (3 lecture hours)

Prerequisite: OTH 1001

Explores the development of professional behaviors, ethics, documentation, teamwork, advocacy, and other topics promoting professional growth. Lake Worth only.

**OTH 2420C OCCUPATIONAL THERAPY WITH THE ADULT CLIENT (AS)**

6 credits (3 lecture hours, 4 lab hours, 2 clinical hours)

Prerequisite: OTH 1520C

Provides an overview of the aging process from early to late adulthood and its relation to occupational performance. Occupational therapy assessment and intervention for adults with physical dysfunction will be emphasized. Experiences in facilities that provide services to adults will be coordinated with class work. Liability insurance required. Special fee required. Lake Worth only.

**OTH 2705 MANAGEMENT AND FIELDWORK ISSUES (AS)**

2 credits (2 lecture hours)

Prerequisite: OTH 1001

Addresses issues related to management and fieldwork. Topics may include: supervision, quality management, clinical reasoning, job seeking skills and strategies to succeed at fieldwork. Lake Worth only.

**OTH 2840 SUPERVISED CLINICAL PRACTICE I (AS)**

6 credits (18 lab hours)

Full-time work for eight weeks in an OT treatment program under the supervision of a Registered Occupational Therapist. Students will be required to attend mandatory sessions at the college to address fieldwork issues. Lake Worth only.

**OTH 2841 SUPERVISED CLINICAL PRACTICE II (AS)**

6 credits (18 lab hours)

Full-time work for eight weeks in an OT treatment program under the supervision of a Registered Occupational Therapist. Students will be required to attend mandatory sessions at the college to address fieldwork issues. Lake Worth only.

**PCB 2061 GENETICS (AA)**

3 credits (3 lecture hours)

Prerequisite: BSC 1010

This is a study of the effects of heredity units in interplay with the environment on the development and function of organisms, with emphasis on human inheritance and modern biochemical genetics. This course is of importance to prospective teachers, social workers, medical students and majors in biology.

**PCB 2061L EXPERIMENTS IN GENETICS (AA)**

1 credit (2 lab hours)

Prerequisite or corequisite: PCB 2061

Experimental determination of genetic ratios mainly by computer simulation.

**PEL 1621 BASKETBALL (AA)**

1 credit (2 lab hours)

Review basic skills of basketball and interpretation and application of rules and study of basic offenses and defenses and their usages. Lake Worth only.

**PEL 2121 GOLF (AA)**

1 credit (2 lab hours)

This is an introduction in fundamental skills and application of golf rules. Special fee required. Lake Worth and Palm Beach Gardens only.

**PEL 2341 BEGINNING TENNIS (AA)**

1 credit (2 lab hours)

Basic skills, techniques, fundamentals, strategy, and application of rules in tennis are covered. (Students furnish own racquets.) Special fee required. Lake Worth and Boca Raton only.

**PEL 2342 INTERMEDIATE TENNIS (AA)**

1 credit (2 lab hours)

Prerequisite: PEL 2341

Advanced tennis skill development by analysis, strategies and progression of skills. Special fee required. Lake Worth and Boca Raton only.

**PEM 1116 AEROBIC DANCE (AA)**

1 credit (2 lab hours)

A basic course in rhythmic movement of large muscles designed to enhance muscle tone and flexibility. Special fee required. Lake Worth and Palm Beach Gardens only.

**PEM 2405 SELF-DEFENSE (AA)**

1 credit (2 lab hours)

Develop self-confidence and abilities for self-defense. Includes crime prevention. Lake Worth and Palm Beach Gardens only.

**PEN 2136 SCUBA DIVING (AA)**

1 credit (2 lab hours)

Introduces knowledge and skills required for scuba diving. Certification is issued upon successful completion. Special fee required. Lake Worth only.

**PEN 2137 ADVANCED SCUBA (AA)**

1 credit (2 lab hours)

Provides certified scuba divers with knowledge and skills required for advance scuba diving. Advanced scuba diver certification is issued on successful completion. Special fee required. Lake Worth only.

**PEO 1031C INDIVIDUAL SPORTS (AA)**

3 credits (2 lecture hours, 2 lab hours)

Includes: bowling, archery, and golf providing the physical education major with basic fundamental strategies and skill progressions. Lake Worth only.

**PEO 1321C VOLLEYBALL FUNDAMENTALS AND OFFICIATING (AA)**

3 credits (2 lecture hours, 2 lab hours)

Physical education major courses are for professional physical education majors only and will not satisfy graduation requirements for non-P.E. majors. Provides the prospective physical education teacher with knowledge and skills in playing and officiating volleyball. Lake Worth only.

**PEO 2004 THEORY AND PRACTICE OF COACHING A SPECIFIC SPORT (AA)**

3 credits (3 lecture hours)

This course is designed to provide knowledge of the rules, teaching progressions and strategies for competition. The course includes acceptable behavior and ethics for coaches. This course will be offered for the following specific sports: baseball/softball, basketball, football, golf, soccer, swimming, tennis, track and field/cross country, volleyball and wrestling. Lake Worth only.

**PEO 2005 COACHING THEORY (AA)**

3 credits (3 lecture hours)

This course is designed to provide knowledge of the characteristics, principles, ethics, and theories related to coaching sports in educational and recreational settings. Emphasis is placed on preparing coaches to train athletes to achieve optimal level of performance. Lake Worth only.

**PEO 2013 OFFICIATING TECHNIQUES FOR TEAM SPORTS (AA)**

2 credits (2 lecture hours)

This course presents the theory of officiating team sports (football, soccer, baseball/softball and volleyball).

**PEO 2351C FUNDAMENTALS OF RACQUET SPORTS (AA)**

3 credits (2 lecture hours, 2 lab hours)

Provides the prospective physical education teacher knowledge and skills in tennis, racquetball, and badminton. Lake Worth only.

**PEO 2621C FUNDAMENTALS OF BASKETBALL (AA)**

2 credits (1 lecture hour, 2 lab hours)

Provides the prospective physical education teacher knowledge and skills in basketball and badminton. Lake Worth only.

**PEP 2101 ESSENTIALS OF FITNESS (AA)**

3 credits (3 lecture hours)

Provides the prospective physical education teacher a fundamental knowledge of physical fitness, fitness evaluation and program planning. Each student is required to be certified in CPR. Lake Worth only. Offered Winter only.

**PET 2000 INTRODUCTION TO PHYSICAL EDUCATION (AA)**

3 credits (3 lecture hours)

Provides the prospective physical education teacher an introduction to physical education including program training and professional opportunities. Lake Worth only.

**PET 2622 CARE AND PREVENTION OF ATHLETIC INJURIES (AA)**

3 credits (3 lecture hours)

This course is designed to provide students with a basic knowledge of the care, prevention and rehabilitation of injuries received during participation in physical education activities. Prior First Aid certification is strongly recommended. Lake Worth only.

**PGY 0223 PHOTOGRAPHY FOR COMMERCIAL ART (PSAV)**

93 clock hours

This course will teach students basic photography skills including how to operate a single lens reflex 35 mm camera with manual adjustments, how to compose a picture and how to develop film.

**PGY 1118C COLOR PHOTOGRAPHY I (AA)**

3 credits (2 lecture hour, 2 lab hours)

Prerequisite: PGY 1401C

This course is taught with the additive system for exposure. A detailed instruction on how to mix and use color chemistry is given with color theory. Special fee required.

**PGY 1119C COLOR PHOTOGRAPHY II (AA)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: PGY 1118C

This course is a continuation of PGY 1118C using the additive system of exposure. Color balance with color measurement\* in lab assignments is covered.

**PGY 1401C INTRODUCTION TO PHOTOGRAPHY (AA)**

3 credits (2 lecture hours, 2 lab hours)

This course is an introduction to black and white photography. The camera's construction and operation are explained. Emphasis is on printing and darkroom procedures. Students in all photography courses will be required to furnish film, photographic paper and a camera which permits the manual control of the lens aperture and shutter speed. (NO AUTOMATIC CAMERAS WITHOUT MANUAL OVERRIDE SYSTEM.)

**PGY 2103C ZONE SYSTEM (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: PGY 1401C or equivalent

Film densities and relationships to exposures and developments are explored. The concept of visualization of photographs is discussed.

**PGY 2109C FINE PRINT (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisites: PGY 1401C and PGY 2103C

This course presents a comprehensive approach to making photographic prints to obtain desired qualities.

**PGY 2211C TECHNIQUES OF COMMERCIAL PHOTOGRAPHY (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisites: ART 1201C, ART 1300C, PGY 1401C

This is a continuation of PGY 2445C emphasizing portrait, product, and experimental photography and continuing a photography major's work. (May be taken twice for credit.)

**PGY 2445C EXPERIMENTAL PHOTOGRAPHY (AS)**

3 credits (2 hours lecture, 2 lab hours)

Prerequisite: PGY 1401C or instructor permission required

This is a course for those students familiar with processing of black and white negative materials and experienced in printing and enlarging black and white photographs. Fine art and photography students majoring in this area will be completing art-oriented projects with strong emphasis on the creative approach in photography. Students will present a portfolio at the end of the semester. Special fee required.

**PHI 1010 INTRODUCTORY TO PHILOSOPHY (AA)**

3 credits (3 lecture hours)

Explores the nature of philosophy, methods and major problems from pre-Socratic era to present. Ideas and their relationship to science, art, religion and sociopolitical development are examined. Requires a grade of C or better for AA transfer credit.

**PHI 1100 CRITICAL REASONING (AA)**

3 credits (3 lecture hours)

This course is designed to introduce students to the essentials of logic as a way to make decisions and to assess the ideas of others. Topics covered include induction, deduction, arguments, fallacies, creative thinking and subjective influences on thinking.

**PHI 1600 ETHICS (AA)**

3 credits (3 lecture hours)

A rigorous and systematic inquiry into man's moral behavior discovering rules that ought to govern human action and goals worth seeking in human life using ethics as a science of conduct. Requires a grade of C or better for AA transfer credit.

**PHY 1001 APPLIED PHYSICS (AA)**

3 credits (3 lecture hours)

Prerequisite: MAC 1105; Corequisite: MAC 1114

A concentrated, one-semester, applied-physics course; includes essential physical principles for engineering, medical and other technician personnel. An overview of basic physics concepts is presented with minimum emphasis on mathematics. Includes physical mechanics, electricity and magnetism and optics. A grade of C or higher is required for this course to be used as a General Education course. Lake Worth only.

**PHY 1007 PHYSICS FOR ALLIED HEALTH PROFESSIONS (AA)**

3 credits (3 lecture hours)

Corequisite: MAC 1105

A one-semester course in applied physics for allied health fields. Covers technical math calculations, units of measurements, mechanics, heat, fluid and gas laws, atomic structure and nuclear physics, electromagnetism, light and sound. Palm Beach Gardens only.

**PHY 2048 GENERAL PHYSICS WITH CALCULUS I (AA)**

4 credits (4 lecture hours)

Prerequisite: MAC 2311; Corequisite: PHY 2048L

This is the first of a two-term sequence in general physics for students with above average mathematics background. Designed for students in engineering and science; topics: vector manipulation, statics, fundamentals of motion, force and translation, torque and rotation, energy, fluids at rest and in motion, gases, heat transfer, change of phase. A grade of C or higher is required for this course to be used as a General Education course. Not offered at Belle Glade.

**PHY 2048L GENERAL PHYSICS I AND GENERAL PHYSICS WITH CALCULUS I LABORATORY (AA)**

1 credit (2 lab hours)

Corequisite: PHY 2048 or PHY 2053.

This is the laboratory for the courses PHY 2053 and PHY 2048. The lab will provide "hands-on" experiences of physical principles discussed in the lectures. In the process, the student will become acquainted with laboratory equipment and procedures. The theory behind a physical principle will be presented in each lab and the expected results will be checked by experimental measures. Not offered at Belle Glade. A grade of C or higher is required for this course to be used as a General Education course. Special fee required.

**PHY 2049 GENERAL PHYSICS WITH CALCULUS II (AA)**

4 credits (4 lecture hours)

Prerequisites: PHY 2048 and MAC 2312; Corequisite: PHY 2049L

This is the second term of the general physics with calculus sequence. Topics included are electrostatics, electric current and sequence. Topics included are electrostatics, electric current and resistance of circuits, electromagnetism, magnetic circuits, wave motion, reflection and refraction of light, lenses and mirrors, spectra and color, interference and diffraction and polarization. A grade of C or higher is required for this course to be used as a General Education course. Not offered at Belle Glade.

**PHY 2049L GENERAL PHYSICS II AND GENERAL PHYSICS WITH CALCULUS II LABORATORY (AA)**

1 credit (2 lab hours)

Prerequisite: PHY 2048L; Corequisite: PHY 2049 or PHY 2054.

The laboratory is for the courses PHY 2054 and PHY 2049. The lab will provide "hands-on" experiences of physical principles discussed in the lectures. In the process, the student will become acquainted with laboratory equipment and procedures. The theory behind a physical principle will be presented in each lab and the expected results will be checked by experimental measures. A grade of C or higher is required for this course to be used as a General Education course. Not offered at Belle Glade. Special fee required.

**PHY 2053 GENERAL PHYSICS I (AA)**

4 credits (4 lecture hours)

Prerequisite: MAC 1105; Corequisites: PHY 2048L

Designed for pre-medical, pre-dental, pre-pharmacy, business, technical and liberal arts students not majoring in engineering, physical science or mathematics. The first part of a two-term sequence must be taken before PHY 2054. Topics are vector quantities, Newton's Laws, mechanical equilibrium, translational and rotational motion, energy and work, heat and thermal concepts. A grade of C or higher is required for this course to be used as a General Education course. Not offered at Belle Glade.

**PHY 2054 GENERAL PHYSICS II (AA)**

4 credits (4 lecture hours)

Prerequisites: PHY 2053 and PHY 2048L; Corequisite: PHY 2049L

Second term of the general physics sequence. Topics are electrostatics, electric current, magnetism, optics, light, optical instruments, atomic and nuclear physics. A grade of C or higher is required for this course to be used as a General Education course. Not offered at Belle Glade.

**PLA 1003 INTRODUCTION TO LEGAL TECHNOLOGY (AS)**

3 credits (3 lecture hours)

This course provides an overview of the training and purpose of legal assistants. Examines role of lawyers and legal assistants, ethical and professional practice standards for both lawyer and assistant and surveys fields of law covered by the program.

**COURSE DESCRIPTIONS****PLA 1104 LEGAL WRITING AND RESEARCH I (AS)**

3 credits (3 lecture hours)

This course is an introduction in writing civil and criminal legal memoranda and briefs to assist supervisor and attorneys in both trial and appellate work. Includes in-depth examination of the law library and legal research.

**PLA 1273 PREPARING NEGLIGENCE CASES (AS)**

3 credits (3 lecture hours)

Basic law relating to civil wrong applied to personal and property damage including intentional interference with contractual relations, abuse of process, torts in the family, civil conspiracy and immunities.

**PLA 1949C CO-OP LEGAL ASSISTANT I (AS)**

3 credits (1 lecture hour, 10 lab hours)

Coordinated work-study program reinforcing educational and professional growth parallel involvement in classroom studies and field experiences. The student and teacher-coordinator determine objectives for on-the-job legal assistant assignments. The student is evaluated by the teacher-coordinator and immediate supervisor.

**PLA 2114 LEGAL WRITING AND RESEARCH II (AS)**

3 credits (3 lecture hours)

Prerequisite: PLA 1104

This is an advanced course in civil and criminal legal writing and research.

**PLA 2209 COURT SYSTEM: PROCEDURES AND PLEADINGS I (AS)**

3 credits (3 lecture hours)

Examines structure of both state and federal judicial system and jurisdiction, including basic judicial process and procedure including State and Federal Rules of Courts.

**PLA 2229 COURT SYSTEM: PROCEDURES AND PLEADINGS II (AS)**

3 credits (3 lecture hours)

Prerequisite or corequisite: PLA 2209  
The basics of civil and criminal causes of action through exercises in drafting and use of pleading forms are covered.

**PLA 2483 ADMINISTRATIVE LAW (AS)**

3 credits (3 lecture hours)

This course is a broad survey seeking to identify and describe areas of government, both state and federal regulations of businesses and government regulations and administrative procedures.

**PLA 2600 ADMINISTRATION OF ESTATES I (AS)**

3 credits (3 lecture hours)

Survey of estate planning and administration, including preparation of wills, trust and probate forms.

**PLA 2611 REAL ESTATE LAW AND PROPERTY TRANSACTIONS I (AS)**

3 credits (3 lecture hours)

This is a survey of common types of real estate transactions and conveyances, such as deeds, contracts leases, etc., and problems in drafting related documents.

**PLA 2612 REAL ESTATE LAW AND PROPERTY TRANSACTIONS II (AS)**

3 credits (3 lecture hours)

Prerequisite: PLA 2611

This is an advanced course in Real Estate Law and Property Transactions. Includes mortgage financing, RESPA, landlord/tenant fields of law covered by the program.

ant and condo law. Students must have completed Real Estate Law and Property Transactions I.

#### **PLA 2800 FAMILY LAW (AS)**

3 credits (3 lecture hours)

This is a study of divorce, separation, custody, legitimacy, adoption, name change, guardianship, support, court procedures, separation agreements, and property disposition.

#### **PLA 2949C CO-OP LEGAL ASSISTANT II (AS)**

3 credits (2 lecture hours, 10 lab hours)

Prerequisite: PLA 1949C

This is a continuation of PLA 1949C.

#### **PLS 2220 PLANT PROPAGATION (AS)**

3 credits (3 lecture hours)

Modern techniques of sexual and asexual propagation are surveyed and demonstrated including seed germination, grafting, cutting and micropropagation. Biochemical proctis successful propagation techniques are studied.

#### **PMA 2213 PLANT PEST MANAGEMENT (AS)**

3 credits (3 lecture hours)

Students are given a basic understanding of plant pests and their effective management. Important insect, fungal, bacterial and viral plant problems will be surveyed. An extensive section on pesticide classification and proper use is included.

#### **PMT 0390 SHEET METAL APPRENTICESHIP I (PSAV)**

102 clock hours

Course provides knowledge of working safely in the shop and on the jobsite, proper use of hand tools and shop equipment, drafting, principles of layout, layout on metal, communication, emergency procedures, handling hazardous materials, sheet metal industry mathematics and first aid.

#### **PMT 0391 SHEET METAL APPRENTICESHIP II (PSAV)**

132 clock hours

Course continues with trade tools, identify, use and care. Introduction to soldering, welding, parallel line layout, radial line and triangulation layout and fabrication, covers asbestos safety and working safely and sheet metal mathematics.

#### **PMT 0392 SHEET METAL APPRENTICESHIP III (PSAV)**

114 clock hours

Course provides knowledge of bidding and job costs, pictorial drawing, freehand sketching, round tees (parallel lines), round elbows, round tapers (radial lines), roof jacks, round tapers (triangulation), squares to rounds, transitions, duct elbows, ogee offsets, Y-branches and introduction to sheet metal architectural work. Sheet metal industry math and first aid will also be covered.

#### **PMT 0393 SHEET METAL APPRENTICESHIP IV (PSAV)**

120 clock hours

Course provides knowledge of architectural sheet metal practices, roof drainage systems, flashings, waterproofing roof edges and walls, installing strip systems, metal roofs, specialized roofs, ventilators and louvers, organizing tools and equipment for a job, layout of penetrations, hangers and anchors, preparing the duct, fire and smoke dampers, duct elevations and clearances and introduction to computers.

#### **PMT 0394 SHEET METAL APPRENTICESHIP V (PSAV)**

117 clock hours

Course provides knowledge of HVAC systems, air and its properties, ventilation, heating, cooling, airflow in ducts, fans, duct systems,

duct design, outlets and other HVAC fans, duct systems, duct design, outlets and other HVAC buy-out items, the contract documents and specifications.

#### **PMT 0395 SHEET METAL APPRENTICESHIP VI (PSAV)**

117 clock hours

Course provides knowledge of filters and other cleaning equipment, indoor air quality, clean rooms, other special ventilation needs, refrigeration, servicing HVAC equipment, rigid fibrous duct, metal ceilings, lagging, industrial sheet metal, boiler breechings and plastics.

#### **PMT 0396 SHEET METAL APPRENTICESHIP VII (PSAV)**

117 clock hours

Course provides knowledge of architectural drawings, structural drawings, mechanical drawings, electrical drawings, sheet metal drawings, CAD in the sheet metal industry, using CAD, field measuring, hoisting and rigging, safety in field installation, installing central HVAC equipment, installing package units and sign work.

#### **PMT 0397 SHEET METAL APPRENTICESHIP VIII (PSAV)**

117 clock hours

Course provides knowledge of the years ahead, customer service, supervision, organizing work and solving problems, computer estimating, electricity, automatic controls, duct leakage testing, using instruments, testing adjusting and balancing (TAB), balancing environmental air systems and energy management.

#### **PMT 0942 R SHEET METAL COOPERATIVE I (FIRST YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

#### **PMT 0943 R SHEET METAL COOPERATIVE II (SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

#### **PMT 0944 R SHEET METAL COOPERATIVE III (SECOND YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

#### **PMT 0945 R SHEET METAL COOPERATIVE IV (SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

#### **PMT 0946 R SHEET METAL COOPERATIVE V (THIRD YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

#### **PMT 0947 R SHEET METAL COOPERATIVE VI (SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

#### **PMT 0948 R SHEET METAL COOPERATIVE VII (FOURTH YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

#### **PMT 0949 R SHEET METAL COOPERATIVE VIII (SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

#### **PMT 0950 IRON WORKER APPRENTICESHIP I (PSAV)**

93 clock hours

This course provides an introduction to job site safety and emergency procedures including first aid and CPR, communication skills, math and trade terminology, the use, care and safe handling of tools and apparatus commonly used in ironwork. The student will be able to fabricate reinforcing steel, using various math formulas.

#### **PMT 0951 IRON WORKER APPRENTICESHIP II (PSAV)**

123 clock hours

This course is a continuation of the first semester (first year) course and provides instruction in proper reinforcing techniques, as well as the safe handling of additional tools and apparatus commonly used in ironwork.

#### **PMT 0952 IRON WORKER APPRENTICESHIP III (PSAV)**

93 clock hours

This course is for students in the second year of the Ironworker's Apprenticeship program. It provides an introduction to all aspects of structural steel as well as perform rigging operations.

#### **PMT 0953 IRON WORKER APPRENTICESHIP IV (PSAV)**

123 clock hours

This course is a continuation of the first semester (second year) and provides instruction in proper structural steel techniques. Students will learn how to apply metal decking and sheeting as well as identifying different types of fiber line.

#### **PMT 0954 IRON WORKER APPRENTICESHIP V (PSAV)**

93 clock hours

This course is for students in the third year of the Ironworker's Apprenticeship program. It provides continued instruction in safety precautions and effective safe handling of tools and apparatus commonly used by the certified structural steel welder in ironwork.

#### **PMT 0955 IRON WORKER APPRENTICESHIP VI (PSAV)**

123 clock hours

This course is a continuation of the first semester (third year) and provides instruction in how to perform certified welding operations to industry standards. Students will learn how to identify the types of welds, welding machines, rods and wire, cutting and welding processes.

#### **PMT 0956 IRON WORKER APPRENTICESHIP VII (PSAV)**

93 clock hours

This course is for students in the fourth year of the Ironworker's Apprenticeship program. It provides continued instruction in safety precautions and effective safe handling of tools and apparatus commonly used by the ornamental steel worker in installing gratings, handrails, stairways, grills, windows, and sealants.

#### **PMT 0957 IRON WORKER APPRENTICESHIP VIII (PSAV)**

123 clock hours

This course is a continuation of the first semester (fourth year) and provides instruction in proper ornamental steel welder techniques, as well as the safe handling of additional tools and apparatus commonly used in ironwork. Students will learn how to identify access structures as well as read and interpret blueprints.

#### **PMT 0960 R IRON WORKER COOPERATIVE I (FIRST YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0961 ■ IRON WORKER COOPERATIVE II (SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0962 ■ IRON WORKER COOPERATIVE III (SECOND YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0963 R IRON WORKER COOPERATIVE IV (SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0964 R IRON WORKER COOPERATIVE V (THIRD YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0965 R IRON WORKER COOPERATIVE VI (SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0966 ■ IRON WORKER COOPERATIVE VII (FOURTH YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills

must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0967 R IRON WORKER COOPERATIVE VIII (SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0970 PIPEFITTER APPRENTICESHIP I (PSAV)**

108 clock hours

This course provides OSHA, job safety trade related mathematics and Science and different methods of joining pipe and tubing. Review plumbing and labor history. Emergency first aid and CPR, rigging and shop projects are presented.

**PMT 0971 PIPEFITTER APPRENTICESHIP II (PSAV)**

108 clock hours

This course continues first year. Related classroom and hands on shop projects.

**PMT 0972 PIPEFITTER APPRENTICESHIP III (PSAV)**

108 clock hours

This course provides related classroom and shop pipefitting, drawing interpretation and plan reading, shop cutting and welding. Basic pipe trade mathematics.

**PMT 0973 PIPEFITTER APPRENTICESHIP IV (PSAV)**

108 clock hours

Course continues with related drawing and plans, understanding air conditioning and heating system.

**PMT 0974 PIPEFITTER APPRENTICESHIP V (PSAV)**

108 clock hours

Course provides related classroom and shop pipefitting, advanced drawing interpretation and plan reading. The student will apply mechanical code to mechanical drawings. Welding certification.

**PMT 0975 PIPEFITTER APPRENTICESHIP VI (PSAV)**

108 clock hours

Course continues with classroom and shop pipefitting. Heavy rigging, certify using American Society of Mechanical Engineers (ASME) boiler and pressure vessel code. Shielded metal arc welding.

**PMT 0976 PIPEFITTER APPRENTICESHIP VII (PSAV)**

108 clock hours

Course provides related classroom and shop welding. Advanced shielded metal arc welding and gas tungsten arc welding.

**PMT 0977 PIPEFITTER APPRENTICESHIP VIII (PSAV)**

108 clock hours

Course continues to provide advanced shielded metal arc welding (S.M.A.W.) and gas tungsten arc welding (G.T.A.W.).

**PMT 0978 PIPEFITTER APPRENTICESHIP IX (PSAV)**

108 clock hours

Course provides shop welding using shielded metal arc welding and gas tungsten arc welding, leading to Section IX A.S.M.E. certification with different material and positions.

**PMT 0979 PIPEFITTER APPRENTICESHIP X (PSAV)**

108 clock hours

Continues A.S.M.E. qualification standards. This course provides job foreman and leadership training.

**PMT 0986 R PIPEFITTER WORKER COOPERATIVE I (FIRST YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0987 ■ PIPEFITTER COOPERATIVE II (SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0988 R PIPEFITTER WORKER COOPERATIVE III (SECOND YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0989 ■ PIPEFITTER COOPERATIVE IV (SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0990 ■ PIPEFITTER WORKER COOPERATIVE V (THIRD YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0991 ■ PIPEFITTER COOPERATIVE VI (SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

tudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0992 R PIPEFITTER WORKER COOPERATIVE VII (FOURTH YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0993 ■ PIPEFITTER COOPERATIVE VIII (SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0994 R PIPEFITTER WORKER COOPERATIVE IX (FIFTH YEAR) (PSAV)**

273 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**PMT 0995 R PIPEFITTER COOPERATIVE X (SUMMER) (PSAV)**

300 clock hours

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills and attitudes in an occupational field. On-the-job supervision is provided by the respective cooperative teacher and employer. This on-the-job portion of the program may be repeated for credit. Specific job-skills must be identified on a job-skills plan. Selected job-skills will be evaluated a minimum of once during each grading period.

**POS 1001 INTRODUCTION TO POLITICAL SCIENCE (AA)**

3 credits (3 lecture hours)

Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

Introduction to the discipline and practice of political science, including politics, law, public administration, political theory and international relations. It will highlight the United States Constitution and its governmental institutions and political practices. It will compare and contrast the U.S. with other nations and their constitutions, governmental institutions and political systems.

It will also include application exercises to help students develop the skills necessary to become effective global citizens. Gordon Rule written work: 2,000 words and computer application required. A grade of C or higher is required for this course to be used as a General Education course.

#### **POS 2041 AMERICAN NATIONAL GOVERNMENT (AA)**

3 credits (3 hours lecture)

Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

Introduction to the institutions of government, highlighting the American political system at the federal level and including discussion of the U.S. Constitution and Bill of Rights, the branches of government, national and foreign policy-making and the role of bureaucracy; ideologies, interest groups, political parties, elections and mass media in the political process. Course will include application exercises to help students develop the skills to become effective global citizens. Gordon Rule written work: 2,000 words and computer application required. A grade of C or higher is required for this course to be used as a General Education course. Distance-learning sections may be available.

#### **POS 2112 AMERICAN STATE AND LOCAL GOVERNMENT (AA)**

3 credits (3 lecture hours)

Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

Introduces the organization and behavior of major political actors, institutions, policies and localities in the 50 states, with a particular emphasis on the state of Florida. Includes a study of the U.S. and state constitutions and the history and development of American federalism. Topics include political participation, political parties, interest groups, legislatures, courts, governors and administration and an analysis of various policies, including taxation, education, welfare, criminal justice, transportation and growth management.

Gordon Rule written work: 2,000 words and computer application required. A grade of C or higher is required for this course to be used as a General Education course.

#### **PRN 0000 FUNDAMENTALS OF NURSING (PSAV)**

100 clock hours

This course is designed to prepare the student in the procedure of seeking and securing a job, introduces broad concepts of health in personal, family and community areas, basic information, and diseases and extends the students role in giving patient care. Liability insurance required.

#### **PRN 0010 COMPREHENSIVE NURSING AND TRANSITIONAL SKILLS (PSAV)**

106 clock hours

This course has been designed to present a climate in which the practical nursing student will have opportunities to learn the characteristics of membership and how to function effectively as a team member, seek and secure a job. The course also emphasizes the legal and ethical responsibilities of self, the profession, and employer. Liability insurance required.

#### **PRN 0021 GROWTH/DEVELOPMENT AND NUTRITION (PSAV)**

96 clock hours

The purpose of this course is to provide an integrated concept of growth and nutrition through the developmental processes in humans from birth until death. Liability insurance required.

#### **PRN 0022 BODY STRUCTURE AND FUNCTION (PSAV)**

69 clock hours

This course offers an introduction to the study of the human body. Emphasis will be on the structure and function of body organs and systems including cellular biology and related terminology. Liability insurance required.

#### **PRN 0030 INTRODUCTION TO DRUG THERAPY (PSAV)**

85 clock hours

This course is designed to give basic understanding of the effects of drugs on individuals, their sources, the importance of knowledge of drugs and being accurate in the technique of administering them. There will be a beginning understanding of types of drugs and their use. Emphasis is placed on legal implications and the role of the practical nurse. Liability insurance required.

#### **PRN 0381 INTRODUCTION TO MEDICAL/SURGICAL NURSING (PSAV)**

182 clock hours

The purpose of this course is to introduce further information about illnesses, (vocabulary, causes and control, or prevention and signs/ symptoms) which will be used and reused when learning about patients with diseases and disorders. It will serve to further extend the student's understanding of his/her roles in giving patient care in a variety of situations with patients of all ages. Liability insurance required.

#### **PRN 0382 MEDICAL SURGICAL NURSING INCLUDING PEDIATRICS (PSAV)**

443 clock hours

This segment presents instruction correlating and integrating theoretical and clinical experiences with a variety of medical and surgical patients of all ages experiencing common physical and emotional conditions of illness. Theoretical content is subdivided into organized horizontal and vertical instructional blocks in order to aid the student's progress in a sequential manner. Primary emphasis is placed upon problem solving methods dictated by the individual's nursing needs and the patient's state of dependency. Pediatric, geriatric and pharmacology clinical experiences are integrated throughout this course. Liability insurance required.

#### **PRN 0100 MATERNAL AND NEWBORN HEALTH (PSAV)**

116 clock hours

The purpose of this course is to assist the student to understand the normal function of the body during pregnancy, delivery and post-partum periods. Another purpose is to help the student meet the daily essential needs of the newborn. Liability insurance required.

#### **PSC 1101 EARTH SCIENCE (AA)**

3 credits (3 lecture hours)

Introduction to astronomy, meteorology, geology and oceanography includes physical structure, weather and human impact. Mathematics beyond arithmetic or scientific background is not required. A grade of C or higher is required for this course to be used as a General Education course.

#### **PSC 1341 PHYSICAL SCIENCE FOR TODAY'S WORLD (AA)**

3 credits (3 lecture hours)

Designed for the non-science major. No mathematics is required beyond ratios, proportions and arithmetic. Emphasis on concepts from study of motion, energy, electricity and magnetism, waves and light, atomic and nuclear and chemistry; and use these concepts to develop an understanding of everyday science. A grade of C or higher is required for this course to be used as a General Education course. Boca Raton and Palm Beach Gardens only.

#### **PSY 2012 GENERAL PSYCHOLOGY (AA)**

3 credits (3 lecture hours)

Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

The course explores various aspects of human behavior and adjustment and provides a representative survey of psychology. Major emphases include philosophical forces that shape psychological study, the structure and function of personality, individual and groups differences, the nature of intelligence, the motivational aspect of behavior and emotions, the learning process and the physiological foundations of behavior. Gordon Rule minimum 2000 words written work and demonstration of computer application are required. A grade of C or higher is required for this course to be used as a General Education course.

#### **PUR 2100 WRITING FOR PUBLIC RELATIONS (AA)**

3 credits (3 lecture hours)

Corequisite: ENC 1101 or ENC 1121

This course teaches the students the basic writing skills in public relations communications, targeting a variety of public topics including writing press releases, writing radio and television promotional scripts, designing and writing brochures and newsletters. Lake Worth only.

#### **REA 0001 COLLEGE PREP READING I**

3 Institutional credits (3 lecture hours)

Corequisite: SLS 1501

This course prepares students for REA 0010. It covers reading aids, basic vocabulary and literal comprehension skills as needed. Graded Passing or Not Passing (P or N). Special fee required.

#### **REA 0010 COLLEGE PREP READING II**

3 Institutional credits (3 lecture hours)

Prerequisite: College Placement Score (CPT) of 61 or above or successful completion of REA 0001; Corequisite: SLS 1501.

This course prepares students for college credit level courses. It covers critical and analytical reading skills and college level vocabulary usage. Grade Passing or Not Passing (P or N). Special fee required.

#### **REA 1125 CLAST READING (AA)**

1 credit (1 lecture hour)

Prerequisite: score below state-mandated passing level on the reading subtest of CLAST

This course is designed for students who need an intensive review in college level reading skills before they retake the CLAST reading subtest. Although literal reading skills are taught, critical and analytical reading skills are stressed. The literal and critical skills included in the reading CLAST objectives will be emphasized. Graded Passing or Not Passing (P or N).

#### **REA 1205 ACCELERATED READING (AA)**

3 credits (3 lecture hours)

Prerequisite: If College Prep Reading is required, it must be completed satisfactorily before REA 1205 is attempted.

This advanced reading course emphasizes increased reading speed and comprehension. It involves independent study with self-paced activities, lab practice and instructor conferences.

#### **REE 1040 REAL ESTATE PRINCIPLES AND PRACTICES-FREC I (AS)**

4 credits (4 lecture hours)

Principles, practices, and theories of real property, economic value, legal implication, and relationship to the salesperson and broker including Florida Real Estate license Law. Successful completion is required by Florida Real Estate Commission (FREC) prior to filing application for state license examination.

#### **REL 1210 THE OLD TESTAMENT (AA)**

3 credits (3 lecture hours)

Introduction to the Bible includes history, literature, geography and religion of Israel through exile and restoration.

#### **REL 1240 THE NEW TESTAMENT (AA)**

3 credits (3 lecture hours)

Introduction to the New Testament including language, literature and geography. Discussion on ancient manuscripts, history of modern translations, period between testaments, harmony of gospels and history of early church in Acts and Epistles.

#### **REL 2300 INTRODUCTION TO THE MAJOR RELIGIONS OF THE WORLD (AA)**

3 credits (3 lecture hours)

Introduction to major religions of the world including Primitivism, Hinduism, Judaism, Shintoism, Zoroastrianism, Taoism, Jainism, Buddhism, Confucianism, Christianity, Islam and Sikhism.

#### **RET 1272 FUNDAMENTALS OF RESPIRATORY CARE I (AS)**

9 credits (9 lecture hours)

Prerequisites: HSC 1000/1000L, BSC 1085/1085L; Corequisites: RET 1272L, RET 1874L

Introduction to basic science, theories, and technologies in respiratory care with emphasis on knowledge required to perform respiratory care, medical terminology, pharmacology, medical gas therapy, patient assessment, therapies and diagnostics. Palm Beach Gardens only. Special fee required. Uniform and equipment required. Membership in American Association for Respiratory Care and Florida Society for Respiratory Care required.

#### **RET 1272L FUNDAMENTALS OF RESPIRATORY CARE I LABORATORY (AS)**

3 credits (6 lab hours)

Prerequisites: HSC 1000/1000L, BSC 1085/1085L; Corequisites: RET 1272; RET 1874L

Emphasis is on competence and proficiency skills in applying therapeutic and diagnostic respiratory care. Laboratory experience in medical gas and aerosol delivery and cardiopulmonary resuscitation. Palm Beach Gardens only. Special fee required. Uniform and equipment required. Membership in American Association for Respiratory Care and Florida Society for Respiratory Care required.

**RET 1273 FUNDAMENTALS OF RESPIRATORY CARE II (AS)**

6 credits (6 lecture hours)

Prerequisites: RET 1272/1272L, RET 1874L; Corequisites: RET 1273L, RET 1875L

Continues basic science, theories and technologies in respiratory care including blood gas analysis, airway management, mechanical ventilation, neonatal/pediatrics and cardiopulmonary diseases. Palm Beach Gardens only. Uniform and equipment required. Membership in American Association for Respiratory Care and Florida Society for Respiratory Care required.

**RET 1273L FUNDAMENTALS OF RESPIRATORY CARE II LABORATORY (AS)**

2 credits (4 lab hours)

Prerequisites: RET 1272/1272L, RET 1874L; Corequisites: RET 1273, RET 1875L

Course emphasis is on competence and proficiency skills applying therapeutic and diagnostic respiratory care. Laboratory experience in airway management, blood gas analysis, intensive care mechanical ventilation. Palm Beach Gardens only. Uniform and equipment required. Membership in American Association for Respiratory Care and Florida Society for Respiratory Care required.

**RET 1874L CLINICAL INTERNSHIP I (AS)**

1 credit (8 clinical hours)

Prerequisites: HSC 1000/1000L, BSC 1085/1085L; Corequisites: RET 1272, RET 1272L

Clinical practice of respiratory care in an eight-hour week/hospital-based internship. Pulmonary function diagnostics, therapeutics, disinfection and sterilization techniques, equipment recognition and maintenance are included. Uniform and equipment required. Membership in American Association for Respiratory Care and Florida Society for Respiratory Care required.

**RET 1875L CLINICAL INTERNSHIP II (AS)**

3 credits (24 clinical hours)

Prerequisites: RET 1272/1272L, RET 1874L; Corequisites: RET 1273/1273L

Direct patient contact is emphasized within this 24-hour/week, hospital-based course. Included is medical gas and aerosol delivery, patient assessment and reporting, positive pressure breathing techniques and blood gas sampling and analysis. Uniform and equipment required. Membership in American Association for Respiratory Care and Florida Society for Respiratory Care required.

**RET 1876C CLINICAL INTERNSHIP III (AS)**

4 credits (3 lecture hours, 9 clinical hours)

Prerequisites: RET 1273/1273L, RET 1875L

Emphasizes application of respiratory care theory and technology in intensive care including patient contact during a 32-hour/week, hospital-based internship. Intensive care therapeutics and diagnostics include mechanical ventilation techniques, cardiopulmonary resuscitation, neonatal/pediatric respiratory care and patient-care planning. Uniform and equipment required. Membership in American Association for Respiratory Care and Florida Society for Respiratory Care required.

**RET 2280C FUNDAMENTALS OF RESPIRATORY CARE THERAPY III (AS)**

7 credits (6 lecture hours, 2 lab hours)

Prerequisites: RET 1273/1273L, RET 1876C; Corequisite: RET 2877L  
Respiratory care clinical lectures on advanced cardiopulmonary monitoring/diagnostic techniques. Exercise testing and neonatal/pediatrics

are included emphasizing clinical decision-making. Palm Beach Gardens only. Special fee required. Uniform and equipment required. Membership in American Association for Respiratory Care and Florida Society for Respiratory Care required.

**RET 2534C FUNDAMENTALS OF RESPIRATORY CARE THERAPY IV (AS)**

7 credits (6 lecture hours, 2 lab hours)

Prerequisites: RET 2280C, RET 2877L; Corequisite: RET 2878L

Combined lecture and laboratory provides instructions specific to many sites where respiratory care is practiced including hospital, physician's office and home/care/rehabilitation. Advanced cardiopulmonary pathophysiology is presented focusing on the respiratory care practitioner as a member of the interdisciplinary team. Advanced pulmonary function testing emphasizing preparation for registry examinations. Special fee required. Uniform and equipment required. Membership in American Association for Respiratory Care and Florida Society for Respiratory Care required.

**RET 2877L CLINICAL INTERNSHIP IV (AS)**

3 credits (24 clinical hours)

Prerequisites: RET 1876C; Corequisite: RET 2280C

Hospital-based internship provides experience and training for departmental management and advanced clinical training in critical care monitoring, exercise testing, neonatal/pediatrics and research methods focusing on decision-making in patient-case management. Uniform and equipment required. Membership in American Association for Respiratory Care and Florida Society for Respiratory Care required.

**RET 2878L CLINICAL INTERNSHIP V (AS)**

2 credits (16 clinical hours)

Prerequisites: RET 2877L; Corequisite: RET 2534C

Provides departmental management experience in hospitals, patient's home and in convalescent care. Practical training in geriatrics and cardiopulmonary rehabilitation is included. Reviews prepare students for national registry exam. Uniform and equipment required. Membership in American Association for Respiratory Care and Florida Society for Respiratory Care required.

**RTE 1000 INTRODUCTION TO RADIOGRAPHY (AS)**

3 credits (3 hours lecture)

Prerequisite: HSC 1000

An introduction to radiography to include an introduction to the program, profession, didactic and clinical environments, radiation protection, x-ray production, interactions, principles of radiographic imaging, imaging equipment and radiographic technique. Palm Beach Gardens only.

**RTE 1401 RADIOGRAPHIC IMAGING I (AS)**

2 credits (2 lecture hours)

Prerequisite or corequisite: RTE 1000

An analysis of techniques systems, radiographic technique, the Inverse Square Law, the fundamentals of physics, atomic structure, the electromagnetic spectrum, X-ray production, X-ray emission, X-ray interactions and quality control. Palm Beach Gardens only.

**RTE 1401L RADIOGRAPHIC IMAGING I LABORATORY (AS)**

1 credit (2 lab hours)

Laboratory exercises to accompany RTE 1401 demonstrate the clinical application of technique systems, radiographic techniques, the Inverse Square Law, X-ray production, X-ray emission, X-ray interactions and quality control. Palm Beach Gardens only.

**RTE 1457 RADIOGRAPHIC IMAGING II (AS)**

2 credits (2 lecture hours)

Prerequisite: RTE 1401

An analysis of image formations, film, intensifying screens, cassettes, beam restrictors, grids, film processing, processors, darkroom chemistry, image quality, quality control, the theory, and practice of safe exposure, values. Palm Beach Gardens only.

**RTE 1457L RADIOGRAPHIC IMAGING II LABORATORY (AS)**

1 credit (2 lab hours)

Corequisite: RTE 1457

Laboratory exercises to accompany RTE 1457 demonstrate the clinical applications of film, intensifying screens, cassettes, beam restrictors, grids, film processing, processors, darkroom chemistry, image quality and quality control. Palm Beach Gardens only.

**RTE 1503 RADIOGRAPHIC PROCEDURES I (AS)**

3 credits (3 lecture hours)

This course is designed to provide the Radiography student with instruction in radiographic examinations of the chest, abdomen, upper extremities and shoulders. An introduction to medical terminology, radiographic terminology and the fundamentals of patient care is made. Palm Beach Gardens only.

**RTE 1503L RADIOGRAPHIC PROCEDURES I LAB (AS)**

1 credit (2 lab hours)

Prerequisite: RTE 1503

Laboratory to accompany RTE 1503 provides the Radiography student with an opportunity to simulate radiographic examinations of the chest, abdomen, upper extremities and shoulders. Emphasis is placed on the fundamentals of patient care. Palm Beach Gardens only.

**RTE 1513 RADIOGRAPHIC PROCEDURES II (AS)**

2 credits (2 lecture hours)

Prerequisite: RTE 1503; Corequisite: RTE 1814

This course is designed to provide the radiography student with instruction in radiographic examinations of the lower extremities, gastrointestinal and biliary systems. Special emphasis on anatomy, positioning technique, pathology and critique of films. Includes discussion of patient care and medical terminology related to topics and the composition, use and effects of contrast media on the human body. Palm Beach Gardens only.

**RTE 1513L RADIOGRAPHIC PROCEDURES II LAB (AS)**

1 credit (2 lab hours)

Laboratory to accompany RTE 1513 provides the radiography student with an opportunity to simulate radiographic examinations of the lower extremities, gastrointestinal systems and biliary system. Special emphasis of radiographic anatomy, surface landmarks, positioning, technique, pathology and critique of films will be made. Palm Beach Gardens only.

**RTE 1523 RADIOGRAPHIC PROCEDURES III (AS)**

3 credits (3 lecture hours)

Prerequisite: RTE 1513; Corequisite: RTE 1824

Continuation of study in radiologic anatomy, positioning, pathology, and film critique with emphasis on chassis radiography of the genitourinary system, tomography, vertebral column and bony thorax. Other topics to be covered include long bone measure, bone age and pelvimetry. This course includes discussion of patient care and medical terminology related to course topics, as well as the use and effects of contrast media on the human body. Palm Beach Gardens only.

**RTE 1523L RADIOGRAPHIC PROCEDURES III LAB (AS)**

1 credit (2 lab hours)

Corequisite: RTE 1523

Laboratory to accompany RTE 1523 provides the student with an opportunity to simulate radiographic examination of the genitourinary system, vertebral column and bony thorax. Special emphasis of anatomy, landmarks, positioning, technique and film critique will be made. Palm Beach Gardens only.

**RTE 1804 RADIOGRAPHY CLINICAL EDUCATION I (AS)**

3 credits (24 lab hours)

Prerequisite: HSC 1000; Corequisite: RTE 1503

Practical application of the theories covered in RTE 1503 and RTE 1000. Selected rotations provide experience in film filing, film processing and transportation of patients. Students observe, assist and perform basic radiographic procedures (chest and abdomen and extremities) under direct supervision. This course meets at the affiliate hospitals 24 hours per week. Uniforms, name badges and radiographic markers required.

**RTE 1814 RADIOGRAPHIC CLINICAL EDUCATION II (AS)**

3 credits (24 lab hours)

Prerequisite: RTE 1804; Corequisite: RTE 1513

This course is a continuation of RTE 1804 with students performing radiographic examination under direct supervision in Clinical Education Centers. Emphasis is placed upper and lower extremities, gastrointestinal tract and biliary system procedures and film critique. Meets 288 hours.

**RTE 1824 RADIOGRAPHY CLINICAL EDUCATION III (AS)**

3 credits (24 lab hours)

Prerequisite: RTE 1814; Corequisite: RTE 1523

This course is a continuation of RTE 1814 with students performing radiographic examination under direct supervision in clinical education centers. Emphasis is placed on the spine, genitourinary system, thorax and film critique. Students will begin to perform procedures with indirect supervision. Meets 24 hours per week. Uniforms, name badges and radiographic markers required.

**RTE 2130 PHARMACOLOGY FOR MEDICAL IMAGING (AS)**

3 credits (3 lecture hours)

Prerequisites: RTE 2563 or registered technologists

This course provides instruction in pharmacology and drug administration for the medical imaging professional. The principles of patient care, assessment, education, charting and emergency response are discussed. Finally, a workshop for career preparation, licensure and job search is conducted. Palm Beach Gardens only.

**RTE 2385 RADIobiology (AS)**

3 credits (3 hours lecture)

Prerequisite: RTE 1457

Analysis of the production of x-rays, ionizing radiation, X-ray interactions with matter, biologic effects, radiobiology, early and late effects of radiation, radiation monitoring and protection for both the patient and the radiographer. Palm Beach Gardens only.

**RTE 2473L RADIOGRAPHY SEMINAR (AS)**

2 credits (4 lab hours)

Prerequisite: RTE 2308

Preparation of new graduates for entry into the field, and the transition to the role of professional care-giver. An in depth analysis of

professional competencies required for entry into the workplace including: radiographic procedures, patient care, image production and evaluation, equipment operation and maintenance, radiation protection, and evaluation processes.

#### RTE 2533 RADIOGRAPHIC PROCEDURES IV (AS)

3 credits (3 lecture hours)

Prerequisite: RTE 1523; Corequisite: RTE 2834

This course provides continued study in radiologic anatomy, positioning, pathology and film critique with emphasis on the skull and special procedures. Topics include sinuses, mastoids, facial bones and orbits. This course also provides instruction in mammography, operative procedures, myelography and other special procedures. This course includes discussion of patient care, contrast media and medical terminology related to course topics. Palm Beach Gardens only.

#### RTE 2533L RADIOGRAPHIC PROCEDURES IV LAB (AS)

1 credit (2 lab hours)

Corequisite: RTE 2533

Laboratory to accompany RTE 2533 provides the student with the opportunity to simulate exams of the skull, facial bones and selected special procedures. Topics include sinuses, mastoids, facial bones, orbits, mammography, operative procedures, myelography, and other special procedures.

#### RTE 2563 ADVANCED MEDICAL IMAGING (AS)

3 credits (3 hours lecture)

Prerequisite: RTE 2553; Corequisite: RTE 2844

This course prepares the radiographer to conduct diagnostic vascular procedures and patient care in angiography, peripheral venography, vascular, and non-vascular interventions. An introduction to cross-sectional anatomy, CT, MRI, sonography, nuclear medicine and radiation therapy is provided. Students will research and present a topic in a selected advanced radiologic modalities. Palm Beach Gardens only.

#### RTE 2571 COMPUTED TOMOGRAPHY I (ATC)

3 credits (3 lecture hours)

This course will introduce the learner to the principles of computerized tomography including: operational principles, methods of data collection, imaging and display techniques, quality assurance, scanning procedures and examination protocols.

#### RTE 2571L COMPUTED TOMOGRAPHY CLINICAL EDUCATION (ATC)

3 credits (24 clinical hours)

Prerequisite: RTE 2572

This course is designed to provide the student with practical, first-hand experience in scanning procedures and techniques at a supervised clinical site; theories learned in RTE 2571 and RTE 2572 will be applied. Students will observe, assist, and perform Computed Tomography under the supervision and guidance of a qualified CT Technologist.

#### RTE 2572 COMPUTED TOMOGRAPHY II (ATC)

3 credits (3 lecture hours)

Prerequisite: RTE 2571

This course is a continuation of Tomography I and will include technical factors and clinical applications. Information will be presented regarding scanning techniques related to the central nervous system, musculoskeletal regions, neck, chest, abdomen, and pelvis. Anatomy, positioning criteria, and protocol options will be discussed.

#### RTE 2575 INTRODUCTION TO MAGNETIC RESONANCE IMAGING (ATC)

3 credits (3 lecture hours)

Prerequisite: Must be ARRT(R) or registry eligible; Prerequisite or corequisite: RTE 2762

This course is designed to provide the student with an introduction to the field of magnetic resonance imaging. This MRI introduction will include an overview of the history and development, fundamental principles, equipment, terminology, patient screening and safety, contraindications, and image formation, acquisition, and production.

#### RTE 2576 MAGNETIC RESONANCE IMAGING II (ATC)

3 credits (3 lecture hours); RTE 2575

This course is a continuation of Introduction to Magnetic Resonance Imaging and will include technical factors and clinical applications. Topics discussed will include coil availability and selection, consideration of scan sequences, specific choices in protocols (i.e., slice thickness, phase direction, flow compensation, etc.), pulse sequencing, imaging parameters, and quality assurance.

#### RTE 2576L MAGNETIC RESONANCE IMAGING CLINICAL EDUCATION (ATC)

3 credits (24 clinical hours)

Prerequisite: RTE 2576

This course is designed to provide the student with practical, first-hand experience in scanning procedures and techniques at a supervised clinical site; theories learned in RTE 2575 and RTE 2576 will be applied. Students will observe, assist, and perform Magnetic Resonance Imaging under the supervision and guidance of a qualified MRI Technologist.

#### RTE 2582 INTRODUCTION TO CARDIOVASCULAR INTERVENTION TECHNOLOGY (ATC)

3 credits (3 lecture hours)

Prerequisite: Must be ARRT(R) or registry eligible

This course is designed to provide the student with an introduction to the field of cardiovascular intervention technology. This will include an overview of the history and development of CVIT and the imaging equipment, patient care, patient assessment, and monitoring.

#### RTE 2583 CARDIOVASCULAR INTERVENTIONAL TECHNOLOGY II (ATC)

3 credits (3 lecture hours)

Prerequisite: RTE 2582

This course is a continuation of Introduction to Cardiovascular Interventional Technology and will include technical factors and clinical applications. Information will be presented regarding techniques related to invasive and interventional procedures. Anatomical structure as related to angiography, interventional radiology angiography, and nonvascular interventional will be discussed.

#### RTE 2583L CARDIOVASCULAR INTERVENTIONAL TECHNOLOGY CLINICAL EDUCATION (ATC)

3 credits (24 clinical hours)

Prerequisite: RTE 2583

This course is designed to provide the student with practical, first-hand experience in procedures and techniques at a supervised clinical site; theories learned in RTE 2582 and RTE 2583 will be applied. Students will observe, assist, and perform Cardiovascular Interventional procedures under the supervision and guidance of a qualified CVIT Technologist.

#### RTE 2613 RADIOLOGIC PHYSICS (AS)

3 credits (3 hours lecture)

Prerequisite: RTE 1457

In-depth analysis of electricity, magnetism, electromagnetism, electric generators, motors, transformers and rectifiers, construction and function of X-ray tubes, the use of tube rating charts, X-ray system components and schematics, fluoroscopic systems, video systems and an introduction to the concepts of digital imaging. Palm Beach Gardens only.

#### RTE 2762 CROSS SECTIONAL ANATOMY (AS)

3 credits

This course is designed to introduce cross-sectional anatomy to technologists in the medical imaging field. Normal anatomic structures of the head, neck, thorax, abdomen, pelvis, spine and extremities will be presented in multi-planar sections.

#### RTE 2782 ADVANCED PATHOPHYSIOLOGY FOR MEDICAL IMAGING

3 credits (3 lecture hours)

This course will provide the Radiographer with an in-depth understanding of disease processes correlated with plain-film radiographic, computed tomographic, magnetic resonance imaging, or mammography images.

#### RTE 2834 RADIOGRAPHIC CLINICAL EDUCATION IV (AS)

3 credits (24 lab hours)

Prerequisite: RTE 1824; Corequisite: RTE 2533

A continuation of RTE 1824 with students performing procedures taught in previous clinical courses. Emphasis is placed on the radiography of the skull and special procedures. Meets 24 hours per week. Includes film critique. Uniforms, name badges and radiographic markers required.

#### RTE 2844 RADIOGRAPHIC CLINICAL EDUCATION V (AS)

3 credits (24 lab hours)

Prerequisite: RTE 2834

This is a continuation of RTE 2834 with students perfecting positioning skills and learning to function under indirect supervision. Clinical rotations through Special procedures, mammography, radiation oncology, CT, MRI, nuclear medicine and ultrasound. Includes film critique. Meets 288 hours.

#### RTE 2854 RADIOGRAPHIC CLINICAL EDUCATION VI (AS)

3 credits (24 lab hours)

Prerequisite: RTE 2844; Corequisite: RTE 2023

This is a clinical of RTE 2844 with students practicing positioning skills with indirect supervision. Emphasis is placed on completing clinical competencies. Rotations through radiation oncology, CT, MRI, nuclear medicine, ultrasound and special procedures are included. Includes film critique. Meets 24 hours per week. Uniforms, name badges, and radiographic markers required.

#### RTV 2000 FUNDAMENTALS OF TELEVISION PRODUCTION (AA)

3 credits (3 lecture hours)

Principles of television studio practice and programming includes instruction and demonstrations in basic skills and performance. Palm Beach Gardens only.

#### RTV 2300C INTRODUCTION TO BROADCAST JOURNALISM (AA)

3 credits (2 lecture hours, 2 lab hours)

Prerequisite: Permission of the film department chair

Basic broadcast journalism and role of teamwork in step-by-step production of news programs. The emphasis is on reporter/writer's role in the newsroom, elements of broadcast newswriting and production and similarities and differences in news for television and news for newspapers. Palm Beach Gardens only.

#### SLS 0380 INTRODUCTION TO BUSINESS (PSAV)

40 clock hours

Subjects include entrepreneurship, scope and risks of business ownership, internal activities of a business, information required by a business, economic restraints, job info, job search, work habits, interviews, health habits. Lake Worth only.

#### SLS 1211 OPTIMAL SELF-DEVELOPMENT (AA)

3 credits (3 lecture hours)

Introduces theories and methods of optimal self-development including self-directed activities for initiating self-change.

#### SLS 1300 CAREER SELF-ASSESSMENT (AA)

1 credit (1 lecture hour)

This course facilitates learning more about career interests, values, skills, personality and academic strengths in a lecture classroom and/or independent study. The goal is to identify occupations for further exploration.

#### SLS 1301 CAREER DEVELOPMENT (AA)

3 credits (3 lecture hours)

This course facilitates career decision-making and employability skills. Activities include assessment of interests, values, skills, personality and academic strengths and how these personal qualities relate to occupations and college majors; occupational research and information gathering; and job-search strategies, resume writing and interviewing skills.

#### SLS 1302 CAREER INFORMATION AND DECISION-MAKING (AA)

1 credit (1 lecture hour)

This course facilitates research into selected occupations and college majors and development of a career and educational plan in a lecture classroom and /or independent study format. Students use the Career Center and community resources for research purposes and learn effective decision-making techniques.

#### SLS 1303 JOB SEARCH (AA)

1 credit (1 lecture hour)

This course explores the development of a comprehensive job search campaign and covers such topics as resume and cover letter writing, networking, professional etiquette and telephone skills, interviewing, dressing for success and the use of technology in the job search.

#### SLS 1501 STRATEGIES FOR COLLEGE SUCCESS (AA)

3 credits (3 lecture hours)

This course assists students in developing and improving note-taking, test-taking and study skills. Time management and test-taking techniques are discussed. College resources, listening skills and effective communication are emphasized. Students assess and examine their individual learning styles and adjust their study habits.

**SLS 1505 CRITICAL THINKING (AA)**

1 credit (1 lecture hour)

This course demonstrates how to apply critical thinking skills to everyday problems and issues in school, career and personal life.

**SLS 1533 OVERCOMING MATH ANXIETY (AA)**

1 credit (1 lecture hour)

This course helps students overcome math anxiety and become successful in mathematics courses. It focuses on self-diagnosis, improved study habits, test-taking skills and the reduction of test anxiety.

**SLS 2261 LEADERSHIP DEVELOPMENT (AA)**

3 credits (3 lecture hours)

Prerequisites: ENC 1101 or ENC 1121, SPC 1016 (With permission of the instructor, any and/or all prerequisites may be waived.) Focuses on development of leadership, a personal philosophy of leadership, leadership potential and integrating theory with application in a group setting.

**SOP 2740 FEMINIST PSYCHOLOGY (AA)**

3 credits (3 lecture hours)

Focusing upon the historical and currently changing roles of women, this course will emphasize psychosocial processes, sex-role stereotyping, institutional sexism and discriminatory practices, the Women's Rights Movement and men's liberation. The impact on behavior of psychological constraints is examined within an experiential framework. Students are encouraged to explore their attitudes, interests, and aspirations to stimulate self-awareness and facilitate personal growth.

**SOS 1102 SOILS AND FERTILIZERS (AS)**

3 credits (3 lecture hours)

Study of soil characteristics, classifications, testing and plant nutrition. Management of soils for specific horticultural purposes by understanding soil reaction and uses of fertilizers is presented.

**SOW 1031 INTRODUCTORY TO SOCIAL WORK (AA)**

3 credits (3 lecture hours)

Surveys philosophy, history and services of social welfare and values, methods and practice settings of social work. Social worker processes are examined with awareness that basic practice processes are applicable in the variety of contexts that involve social workers.

**SPC 1016 FUNDAMENTALS OF SPEECH COMMUNICATION (AA)**

3 credits (3 lecture hours)

This course will train the student in the basic principles of effective communication, including topics such as intrapersonal communication, interpersonal communication, listening, verbal communication, nonverbal communication, small group dynamics and public speaking. The emphasis is on individual development and improvement in a variety of communication experiences. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. A grade of C or higher is required for this course to be used as a General Education course.

**SPC 1300 INTRODUCTION TO INTERPERSONAL COMMUNICATION (AA)**

3 credits (3 lecture hours)

This course introduces students to the communication skills needed in face-to-face relationships in everyday interaction. Topics includ-

ed are communication competence, perception, self-awareness, conflict, the impacts of culture and listening. Emphasis is on awareness of communication skills and problems in relationships. Many experiential activities are included.

**SPC 1601 PUBLIC SPEAKING (AA)**

3 credits (3 lecture hours)

Prerequisite: SPC 1016 or permission of department chair

This course is an intensive study of public speaking. The principles of speech preparation, organization and delivery are reviewed. Student will practice specialized types of speech communication experiences common to those called on to give speeches in public.

**SPC 2052 VOICE AND DICTION (AA)**

3 credits (3 lecture hours)

Introduces vocal mechanism and function. Vocal quality, expressiveness, articulation and pronunciation will be emphasized. Students will practice using the International Phonetic Alphabet.

**SPC 2511 AUGMENTATION AND DEBATE (AA)**

3 credits (3 lecture hours)

Prerequisite: SPC 1016

This course will cover the principles of argumentation including analysis of propositions, use and evaluation of evidence and modes of reasoning with specific application in an educational-debate format.

**SPN 1120 ELEMENTARY SPANISH I (AA)**

4 credits (4 lecture hours)

This class provides opportunities to develop the basic language skills: listening, speaking, reading and writing of Spanish with an emphasis on the spoken language. The course drills pronunciation, vocabulary building and elementary grammar and composition. Cultural aspects of Hispanic populations will be discussed. Optional Internet component and Honors credit available.

**SPN 1121 ELEMENTARY SPANISH II (AA)**

4 credits (4 lecture hours)

Prerequisite: SPN 1120 or equivalent

A continuation of SPN 1120 providing opportunities to develop the basic language skills: listening, speaking, reading and writing of Spanish with an emphasis on the spoken language. It drills pronunciation, vocabulary building and elementary grammar and composition. Cultural aspects of Hispanic populations will be discussed. Optional Internet component and Honors credit available.

**SPN 1170 SPANISH IMMERSION STUDY PROGRAM (AA)**

6 credits (6 lecture hours)

Prerequisite: SPN 1120 and instructor's consent prior to registration

This study travel course introduces the student to the Spanish language and culture of Spain. It provides opportunities to attain meaningful, relevant, hands on learning experiences while living in Salamanca, Spain. All classes conducted entirely in Spanish to increase oral proficiency.

**SPN 2200 INTERMEDIATE SPANISH I (AA)**

3 credits (3 lecture hours)

Prerequisite: SPN 1121 or equivalent

Taught in Spanish, an in-depth analysis of grammar and composition with attention to pronunciation. Vocabulary building is emphasized along with written exercises and conversation. Appreciation of the life and culture of native speakers will be attained through lectures reading and discussions about Hispanic nations. Optional Internet component and Honors credit available. Lake Worth and Palm Beach Gardens only.

**SPN 2201 INTERMEDIATE SPANISH II (AA)**

3 credits (3 lecture hours)

Prerequisite: SPN 2200 or equivalent

This class is a continuation of SPN 2200. Advanced grammar and composition are enhanced through translating, writing of creative themes and conversing. Appreciation of the life and culture of native speakers will be attained through lectures reading and discussions about Hispanic nations. Optional Internet component and Honors credit available. Lake Worth and Palm Beach Gardens only.

**SPN 2240 INTERMEDIATE CONVERSATIONAL SPANISH I (AA)**

3 credits (3 lecture hours)

Prerequisite: SPN 1121 or equivalent

This interactive, communicative course aims to develop conversational skills and to build vocabulary in practical, relevant situations. It may be taken before or after SPN 2241. Cooperative learning and pair work is utilized. Optional Internet component and Honors credit available. Lake Worth and Palm Beach Gardens only.

**SPN 2241 INTERMEDIATE CONVERSATIONAL SPANISH II (AA)**

3 credits (3 lecture hours)

Prerequisite: SPN 1121 or equivalent

This interactive, communicative course aims to develop conversational skills and to build vocabulary in practical, relevant situations. It may be taken before or after SPN 2240. Cooperative learning and pair work is utilized. Optional Internet component and Honors credit available. Lake Worth and Palm Beach Gardens only.

**SPN 2340 SPANISH FOR NATIVE SPEAKERS (AA)**

3 credits (3 lecture hours)

Prerequisite: Instructor's approval; Hispanic bilingual educated in the United States or near-native speaker who has lived in a Spanish-speaking country

An individualized educational plan focused upon the needs of the learner is created by both the student and instructor to improve the learner's Spanish proficiency level. All facets of language acquisition are considered. Optional Internet component and Honors credit available. Palm Beach Gardens only.

**STA 1021 PROBABILITY AND STATISTICS (AA)**

1 credit (1 lecture hour)

Prerequisites: Successful completion of MAT 0020 or one year of high school algebra and a passing score on placement test  
STA 1021 is a self-paced, one-hour credit module that covers such topics as permutations, combinations, measures of central tendency, standard deviation, and the normal curve.

**STA 2023 STATISTICS (AA)**

3 credits (3 lecture hours)

Prerequisite: A grade of C or better in MAT 1033 or adequate score on the placement exam and two years of high school algebra. Students must satisfy the College Prep Math requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

Topics include: probability, random variables, hypothesis testing, confidence intervals, correlation, linear regression, small sample methods, and non-parametric statistics. A grade of C or higher is required for this course to be used as a General Education course.

**STS 0003 INTRODUCTION TO SURGICAL TECHNOLOGY (PSAV)**

160 clock hours

This course focuses on professional responsibilities, interpersonal relationships and communication skills for health care personnel in the preoperative setting. Included is legal and ethical responsibilities, the physical environment, safety issues, microbiology, and basic knowledge of OR equipment, supplies, and instrumentation. Liability insurance required.

**STS 0120 SURGICAL SPECIALTIES I (PSAV)**

48 clock hours

This is an introduction to various types of surgery and corresponding surgical anatomy. The student will function in the lab as the surgical technologist in Diagnostics Procedures, General Surgery, Plastic and Reconstructive, Obstetrics, and Gynecology services.

**STS 0121 SURGICAL SPECIALTIES II (PSAV)**

48 clock hours

This is an introduction to various types of surgery and corresponding surgical anatomy. The student will function in the lab as the surgical technologist in Genitourinary Surgery, Ophthalmic Surgery, and Orthopedic Surgery.

**STS 0122 SURGICAL SPECIALTIES III (PSAV)**

51 clock hours

This is an introduction to various types of surgery and corresponding surgical anatomy. The student will function in the lab as the surgical technologist in Otorhinolaryngologic Surgery, Oral/Maxillofacial Surgery, Neurosurgery, Cardiothoracic Surgery, and Peripheral Vascular Surgery.

**STS 0155 SURGICAL TECHNIQUES AND PROCEDURES (PSAV)**

294 clock hours

This course focuses on aseptic technique specific to the Operating Room environment and patient care duties common to the surgical patient, include is surgical hand scrub gowning and gloving, preparing the surgical field, medications, anesthesia, wound healing, and suture materials.

**STS 0255L SURGICAL SPECIALTIES I CLINICAL (PSAV)**

184 clock hours

The purpose of this course is to utilize the student's knowledge of body structure and function, patient care, aseptic techniques, OR equipment, pharmacology, microbiology, and the surgical environment; and apply that knowledge to surgical procedures in the academic and clinical setting. The student will function in the lab as the surgical technologist in Diagnostics Procedures, General Surgery, Plastic and Reconstructive, Obstetrics, and Gynecology services.

**STS 0256L SURGICAL SPECIALTIES II CLINICAL (PSAV)**

184 clock hours

The purpose of this course is to utilize the student's knowledge of body structure and function, patient care, aseptic techniques, OR equipment, pharmacology, microbiology, and the surgical environment; and apply that knowledge to surgical procedures in the academic and clinical setting. The student will function in the lab as the surgical technologist in Genitourinary Surgery, Ophthalmic Surgery, and Orthopedic Surgery.

**STS 0257L SURGICAL SPECIALTIES III CLINICAL (PSAV)**

184 clock hours

The purpose of this course is to utilize the student's knowledge of body structure and function, patient care, aseptic techniques, OR equipment, pharmacology, microbiology, and the surgical environment; and apply that knowledge to surgical procedures in the academic and clinical setting. The student will function in the lab as the surgical technologist in Otorhinolaryngologic Surgery, Oral/Maxillofacial Surgery, Neurosurgery, Cardiothoracic Surgery, and Peripheral Vascular Surgery.

**SUR 1101C BASIC SURVEYING AND MAPPING (AS)**

4 credits (3 lecture hours, 2 lab hours)

Prerequisite: MAC 1105

Introduction to equipment and methods used in surveying includes angle, distance and elevation measurements.

**SUR 1322C CAD FOR SURVEYORS (AS)**

2 credits (1 lecture hour, 2 lab hours)

Prerequisites: SUR 1101, SUR 1640C

Preparation of typical drawings used in land surveying; introduction to computer operating systems; CAD methods; plotters.

**SUR 2202C ROUTE GEOMETRICS (AS)**

4 credits (2 lecture hours, 4 lab hours)

Prerequisites: SUR 1101C, MAC 1114

Covers geometric design of transportation systems, computer applications, comprehensive design project, spiral curves, superelevation theory and earthwork analysis.

**SUR 2403 LAND SURVEYING PRINCIPLES (AS)**

3 credits (3 lecture hours)

Prerequisites: SUR 1101C, SUR 2301

Land boundaries, corners, areas; writing and interpreting legal descriptions; identification of land parcels; legal principles of boundary location; U.S. Government land survey systems.

**SUR 2431 LAND SURVEYING PRACTICE (AS)**

3 credits (3 lecture hours)

Prerequisites: SUR 1101C, SUR 2403

Study of land survey practice; lot survey; sectionalized lands survey; water boundary survey; office and business practices; professional standing.

**SUR 2462C LAND PLANNING (AS)**

3 credits (2 lecture hours, 4 lab hours)

Covers legal requirements for subdividing land; land development systems; subdivision planning; and comprehensive projects.

**SUR 2500C ELECTRONIC AND GEODETIC SURVEYING (AS)**

4 credits (3 lecture hours, 2 lab hours)

Prerequisites: SUR 1101C, SUR 1650, SUR 2403

EDM theory, calibration, distance measurements and reductions; map projections, state plane coordinates; practical astronomy, spherical trigonometry, observations for time, latitude, azimuth, line of position; least squares, theory and applications.

**SUR 2660C PROFESSIONAL DRAFTING FOR SURVEYORS (AS)**

2 credits (1 lecture hour, 3 lab hours)

Techniques and drawings for land surveys using computer methods.

**SYG 1230 AMERICAN MINORITIES TODAY (AA)**

3 credits (3 lecture hours)

Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

Explores historical and current principal minority groups in American life, tracing developments, contributions, values, character, heritage, social structure, etc, of each minority. Examines relations among ethnic and racial groups and general attitudes of mainstream Americans, focusing on ethnic prejudice, hostility, identity, solidarity and power movements. Gordon Rule minimum 2000 words written work and demonstration of computer application are required. A grade of C or higher is required for this course to be used as a General Education course.

**SYG 2000 INTRODUCTION TO SOCIOLOGY (AA)**

3 credits (3 hours lecture)

Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

Covers basic Sociological concepts and perspectives essential for understanding organized social life including emphasis on the sociological imagination, major theoretical perspectives, research methodology, culture, society, socialization, social interaction, social structure, social stratification, social institutions, demographics and social change. Gordon Rule minimum 2000 words written work and demonstration of computer application are required. Distance learning and Honors sections available. A grade of C or higher is required for this course to be used as a General Education course.

**SYG 2010 AMERICAN SOCIAL PROBLEMS (AA)**

3 credits (3 lecture hours)

Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Admissions, Placement Test Scores Chart.) before enrolling in this General Education course.

Explores major social problems confronting American society including mental illness, crime, juvenile delinquency, economic insecurity, influences detrimental to family stability (divorce, alcoholism, gambling, drug addiction), race relations and related ethnic problems. Gordon Rule minimum 2000 words written work and demonstration of computer application are required. A grade of C or higher is required for this course to be used as a General Education course.

**SYG 2361 DEATH AND DYING (AA)**

3 credits (3 lecture hours)

Examines issues and problems associated with death and dying resulting from changes in society encompassing grief, funeral practices, widowhood, suicide, life beyond death, moral and ethical issues.

**SYG 2430 MARRIAGE AND FAMILY (AA)**

3 credits (3 lecture hours)

This course provides a study of the continuum of human intimacy and attraction from sociological and social psychological perspectives by examining varieties of human intimacy arrangements with emphasis on marriage and family. Alternative life styles are also discussed.

**TAR 1120C ARCHITECTURAL DRAWING (AS)**

3 credits (2 lecture hours, 2 lab hours)

Prerequisites: ART 1201C, ART 1300C

Introduction to drafting methods for architecture emphasizes techniques to present clear and precise solutions to basic architectural problems of lettering, preliminary sketching, line quality, shapes, orthographic projection, perspective and architectural shades and shadows.

**TAX 2000 FEDERAL INCOME TAX I (AS)**

3 credits (3 lecture hours)

Prerequisite: ACG 2022 or instructor permission required

Introduction to federal, state and local business taxes for students desiring an associate in science degree in Accounting Technology. Not transferable to an upper division institution.

**TAX 2010 FEDERAL INCOME TAX II (AS)**

3 credits (3 lecture hours)

Prerequisite: TAX 2000 or equivalent

This is a continuation of TAX 2000, focusing on corporate income taxes. Also includes taxation of partnerships, estates and trusts and practice partnerships, estates and trusts and practice before the Internal Revenue Service. Not transferable to an upper division institution.

**THE 1000 THEATRE APPRECIATION (AA)**

3 credits (3 lecture hours)

This course is an introduction to the art, business, and history of theater. The course is designed to increase the student's understanding and appreciation of the work of the various artists engaged in creating theater through a participatory approach. This course meets the needs of the General Education program in Humanities. Students must satisfy College Prep Reading and College Prep English requirements through course completion or appropriate placement test scores (See Chapter 2-Admissions, Placement Test Scores Chart.) before enrolling in this General Education course. Written work: 2,000 words minimum. A grade of C or higher is required for this course to be used as a General Education course.

**THE 2051 THEATER FOR A CHILDREN'S AUDIENCE (AA)**

3 credits (3 lecture hours)

Analyzes theory of children's theater, surveys the development within the American theater scene, studies functionality within the American community and materials available for use with children.

**THE 2300 DRAMATIC LITERATURE (AA)**

3 credits (3 lecture hours)

Prerequisite: THE 1000

This course explores dramatic literature and develops the student's knowledge and appreciation of the elements of literature through the study of selected scripts, playwrights and dramatic theories. Among these elements are the history of dramatic literature, genre study and the theory and practice of dramatic analysis and criticism.

**THE 2935R PLAY PRODUCTION (AA)**

1 credit (2 lab hours)

This course involves sessions and activities centered around a specific theatre topic. The topics may vary and are designed to enhance specific professional skills. Topics are selected based on what is new or currently relevant in the field.

**TPA 1200 STAGECRAFT I (AA)**

3 credits (3 lecture hours)

Lectures and classroom demonstration in construction, painting and handling of scenery, makeup and making properties. Crew hours are required.

**TPA 1211 ADVANCED STAGECRAFT (AA)**

3 credits (3 lecture hours)

Prerequisite: TPA 1200

Continuation of TPA 1200 emphasizing set design and lighting techniques and principles of designing and executing model sets and stage lighting in classroom demonstrations and experiences.

**TPA 2290R TECHNICAL THEATER LAB I (AA)**

1 credit (2 lab hours)

This course is designed to provide hands-on experience in the backstage operation of a theater. The concentration of the course will vary depending on the skills of the student and the needs of the theater.

**TPP 1600 PLAYWRITING (AA)**

3 credits (3 lecture hours)

This course is an introduction to the study, analysis, and writing of plays for the theater. Emphasis on developing skills in writing short scenes stressing creating characters, handling dialogue, and plot structure.

**TPP 2100 ACTING I (AA)**

3 credits (3 hrs)

Prerequisite: THE 1000 or special permission of the department chair

This course is a study of the fundamental principles and techniques of acting. Training in pantomime, stage movement, characterization, and motivation is given. Students will present scenes from plays as classroom exercises.

**TPP 2111 ACTING II (AA)**

3 credits (3 lecture hours)

Prerequisite: TPP 2100 or permission of department chair

This course is a continuation of TPP 2100, emphasizing processes of developing characterization and discovering relationships affecting the character. Students study methods of auditioning, prepare a resume and present monologues.

**TPP 2190R REHEARSAL AND PERFORMANCE I (AA)**

1 credit (2 lab hours)

This course is designed to provide hands-on experience in rehearsal and performance techniques for production. Emphasis is on the warm-up, reading, blocking and nuances of a role. Brief lectures will be given on the different design aspects as they apply to varying sizes of theatrical houses and audience-actor relationships.

**TPP 2510 MOVEMENT FOR THE THEATER (AA)**

3 credits (3 lecture hours)

Introduction to study, analysis and application of styles of movement required in theatrical productions emphasizing preparation to use physical characteristics appropriate for a play placed in a particular locale and time. Study of body language, analysis of movement, types and rhythms of movement and pantomime are included.

**WOH 1012 ANCIENT AND MEDIEVAL HISTORY (AA)**

3 credits (3 lecture hours)

Introduces theories of historical causation, origin of life in prehistoric times and emergence of early Mideastern and Mediterranean cultures in Mesopotamia, Egypt, Israel and Persia emphasizing Western civilization's roots in ancient Greece, Rome and medieval Europe to 1500 A.D., legacy of the East, the Byzantine and Islamic worlds.

**WOH 1022 MODERN WORLD HISTORY (AA)**

3 credits (3 lecture hours)

This course is a continuation of WOH 1012. Introduces the birth of the modern age in intellectual (Renaissance), religious (Reformation), economic and navigational achievements of the period around 1500 and goes through the twentieth century emphasizing European civilization directly influencing American and modern world culture and increasing role and significance of Afro-Asian peoples.

**ZOO 1010 GENERAL ZOOLOGY LECTURE (AA)**

3 credits (3 lecture hours)

Prerequisite: BSC 1010; Corequisite: ZOO 1010L  
Introduction to structure, functioning, embryology and evolutionary relationships of representatives of major animal phyla culminating in man. A grade of C or higher is required for this course to be used as a General Education course.

**ZOO 1010L GENERAL ZOOLOGY LABORATORY (AA)**

1 credit (2 lab hours)

Prerequisite: BSC 1010; Corequisite: ZOO 1010  
This course is a laboratory observation of representative groups of the animal kingdom. A grade of C or higher is required for this course to be used as a General Education course.

**ZOO 2710 COMPARATIVE VERTEBRATE ANATOMY (AA)**

3 credits (3 lecture hours)

Prerequisites: ZOO 1010, ZOO 1010L; Corequisite: ZOO 2710L  
Introduces embryology and development of organ systems for main classes of vertebrates and origins and classification of chordates.

**ZOO 2710L COMPARATIVE VERTEBRATE ANATOMY LABORATORY (AA)**

1 credit (4 lab hours)

Corequisite: ZOO 2710  
Laboratory dissects representatives of major classes of vertebrates; lamprey, shark, necturus, and cat.

**WOH 1012 ANCIENT AND MEDIEVAL HISTORY (AA)**

3 credits (3 lecture hours)

Introduces theories of historical causation, origin of life in prehistoric times and emergence of early Mideastern and Mediterranean cultures in Mesopotamia, Egypt, Israel and Persia emphasizing Western civilization's roots in ancient Greece, Rome and medieval Europe to 1500 A.D., legacy of the East, the Byzantine and Islamic worlds.

**WOH 1022 MODERN WORLD HISTORY (AA)**

3 credits (3 lecture hours)

This course is a continuation of WOH 1012. Introduces the birth of the modern age in intellectual (Renaissance), religious (Reformation), economic and navigational achievements of the period around 1500 and goes through the twentieth century emphasizing European civilization directly influencing American and modern world culture and increasing role and significance of Afro-Asian peoples.

**ZOO 1010 GENERAL ZOOLOGY LECTURE (AA)**

3 credits (3 lecture hours)

Prerequisite: BSC 1010; Corequisite: ZOO 1010L  
Introduction to structure, functioning, embryology and evolutionary relationships of representatives of major animal phyla culminating in man. A grade of C or higher is required for this course to be used as a General Education course.

**ZOO 2710 COMPARATIVE VERTEBRATE ANATOMY (AA)**

3 credits (3 lecture hours)

Prerequisites: ZOO 1010, ZOO 1010L; Corequisite: ZOO 2710L  
Introduces embryology and development of organ systems for main classes of vertebrates and origins and classification of chordates.

**ZOO 2710L COMPARATIVE VERTEBRATE ANATOMY LABORATORY (AA)**

1 credit (4 lab hours)

Corequisite: ZOO 2710  
Laboratory dissects representatives of major classes of vertebrates; lamprey, shark, necturus, and cat.

**DISTRICT BOARD OF TRUSTEES****Watt, James L., Chair****Williams, Carolyn L., Vice Chair****Baumel, Susan K.****Dominicis, Jorge A.****Howden, William B.****PRESIDENT****Gallon, Dennis P.**

Ph.D., University of Florida

**PRESIDENT'S STAFF****Becker, Richard A.**

*Vice President, Administration and Business Services*  
B.A., Mount Union College

**Haley, Vernon**

*Vice President, Student Services*  
M.S., Baruch College

**Sass, Sharon A.**

*Vice President, Academic Affairs*  
Ph.D., University of Nebraska

**Schmiederer, John M.**

*Vice President, Workforce Development*  
Ed.S., Florida Atlantic University

**Tinsley, Jack T.**

*Associate Vice President, Information/Technology*  
M.B.A., University of North Florida

**Anderson, Patricia J.**

*Provost, PBCC at Palm Beach Gardens*  
Ed.D., Florida Atlantic University

**Beck, R. Celeste**

*Provost, PBCC at Boca Raton*  
Ed.D., Florida Atlantic University

**Franke, Helen B.**

*Provost, PBCC at Belle Glade*  
Ed.D., University of Florida

**Vallejo, Maria**

*Provost, PBCC at Lake Worth*  
Ph.D., New York University

**Grace, Ellen**

*Director, Human Resources*  
Ed.D., Virginia Polytechnic Institute & State University

**Jenner, William C.**

*President/Chief Executive Officer, PBCC Foundation*  
B.A., Hiram College

**McColskey, Erin S.**

*Director, Governmental Relations,  
Executive Assistant to the President*  
M.S., Florida State University

**Truman, Grace H.**

*Director, College Relations and Marketing*  
Ed.D., West Virginia University

**DEANS AND REGISTRAR**

**Dozier, H. Richard**  
*Dean, Student Services, PBCC at Palm Beach Gardens*  
 M.A., Hampton University

**Holcomb, Joan F.**  
*Dean, Career and Technical Education*  
 M.S., Florida International University

**Holden, Eileen B.**  
*Dean, Academic Affairs, PBCC at Lake Worth*  
 Ed.D., Nova Southeastern University

**MacLachlan, Scott**  
*Dean, Enrollment Management*  
 M.Ed., Georgia Southern College

**McIsaac, Penny J.**  
*Dean, Student Services, PBCC at Lake Worth*  
 M.Ed., Florida Atlantic University

**Morrow, Annaleah D.**  
*College Registrar*  
 M.S., Palm Beach Atlantic College

**Ray, Kenneth, Jr.**  
*Dean, Educational Services, PBCC at Belle Glade*  
 M.Ed., University of Florida

**Uwadibia, Nwafejoku Okolie**  
*Dean, Academic Affairs, PBCC at Boca Raton*  
 Ph.D., University of Colorado

**Willey, Edward W.**  
*Dean, Academic Affairs, PBCC at Palm Beach Gardens*  
 M.S., Nova University

**Wright, Gabriela F.**  
*Dean, Student Services, PBCC at Boca Raton*  
 Ed.S., University of Florida

**FULL-TIME FACULTY**

**Abdelgadir, Mohyeldin**  
 M.E., Mississippi State University  
 M.A., University of West Florida

**Adams, John F.**  
 Ed.D., Florida Atlantic University

**Aguila, Susan**  
 M.A., Florida Atlantic University

**Aikhionbare, Victor**  
 Ph.D., Texas Tech University

**Aldridge, James E.**  
 M.Ed., Florida Atlantic University

**Alexander, Carol**  
 M.S.N., Boston University

**Allen, Carolyn**  
 M.S., Florida Atlantic University

**Ames, Robert**  
 M.S., Syracuse University

**Asher, Kathleen M.**  
 M.A., Central Michigan University

**Barney, David**  
 M.A., Florida Atlantic University

**Barry, Robert**  
 Ph.D., University of Missouri

**Bennett, Freddie Lee**  
 Ed.D., University of Utah

**Berg, Jacquelynn**  
 M.A.T., Stetson University

**Bergen, Robert A.**  
 M.A., Florida State University

**Berry, Esther**  
 Ed.D., Howard University

**Berryman, John W.**  
 M.S., University of Tennessee

**Best, Latsy I.**  
 M.S., Nova University

**Bey, Kathleen A.**  
 Ph.D., University of North Carolina at Greensboro

**Biferie, Michelle**  
 M.A., Florida Atlantic University

**Boone, Jeanne S.**  
 M.Ed., Florida Atlantic University

**Brahlek, Steve J.**  
 M.A., Northern Michigan University

**Breitbarth, Linda**  
 M.S.N., Barry University

**Brooks, Virginia C.**  
 M.A., University of Tennessee

**Brown, Ralston**  
 B.S., Southern Connecticut State University

**Bruton, James L., Jr.**  
 M.A.S.S., Florida A&M University

**Burkett, Gail**  
 M.A., Trinity College

**Bush, Christine W.**  
 Ed.S., Nova University

**Campbell, Janette H.**  
 M.A., University of Alabama

**Campbell, Judy Ann B.**  
 Ed.D., Florida Atlantic University

**Cary, Deborah**  
 M.S.N., Boston University

**Cavallaro, Maureen M.**  
 M.Ed., Florida Atlantic University

**Ceravolo, Joseph J.**  
 M.Ed., University of Pittsburgh

**Chauvin, Marg**  
 M.S.C.S., University of Santa Clara

**Cifone, Rocco J.**  
 M.A., San Diego State University

**Clegg, Antoinette**  
 M.S., Nova University

**Colangelo, Holly**  
 M.S.N., S.U.N.Y. at Buffalo

**Coleman-Ferrell, Tunjarnika**  
 M.P.A., Florida Atlantic University

**Colombo, Costantino A.**  
 Ph.D., New York University

**Connolly, Joanne M.**  
 M.A., Florida Atlantic University

**Copeland, Deborah**  
 M.S.N., Barry University

**Copper, Michael**  
 M.S., University of Southern Mississippi

**Cornwell, Douglas W.**  
 M.L.S., Syracuse University

**Crane, Lori**  
 M.A., Ball State University

**Crayton, Lisa**  
 M.S., University of Wisconsin/Madison

**Cuan, Omar**  
 M.A., University of Miami

**Curless, Wilbur W.**  
 M.S.T., Florida Atlantic University

**Darwish, Myra G.**  
 M.S.N., University of Alabama

**De Armas, Ana**  
 M.S.T., Florida Atlantic University

**Diaz, Gisela M.**  
 M.S., Florida State University

**Dilgen, Regina**  
 M.A., Florida Atlantic University

**Domnitch, Jay H.**  
 M.S.T., Middle Tennessee State University

**Donnelly, Robert M.**  
 M.L.S., University of South Florida

**Drumm, Judith**  
 M.S.N., Florida Atlantic University

**Duffey, Lydia**  
 B.H.S., Florida Atlantic University

**Duncan, David D.**  
 M.A., Atlanta University

**Duxbury, Alice T.**  
 M.A., Florida State University

**Eichner, Timothy R.**  
 B.S., Pensacola Christian College

**Enos, Brennan**  
 M.A., University of Arizona

**Escoffery, Leonie**  
 M.A., Florida Atlantic University

**Ezeilo, Godwin**  
Ed.S., Nova University  
**Faqir, Maqsood M.**  
Ed.S., Florida Atlantic University  
**Farmer, Carol J.**  
M.S., University of Akron  
**Fazelpour, Alireza**  
M.S., Middle East Technical University  
**Fisher, Jeffrey A.**  
M.S., Florida State University  
**Fleisher, Richard S.**  
M.S., Syracuse University  
**Flynn, Kerry**  
B.A., Florida Atlantic University  
**Fontenot, Danny W.**  
A.S., Palm Beach Community College  
**Froehlich, Patricia**  
M.S., Long Island University  
**Gailey, James R.**  
M.Ed., Georgia Southern College  
**Garcia-Landry, Maria**  
M.S., Nova University  
**Gattozzi, Karen B.**  
J.D., Suffolk Law School  
**Gent, Victor**  
J.D., University of Kansas  
**Geraldi, Robert**  
Ph.D., University of South Carolina  
**Gerson, Allan M.**  
J.D., University of Maryland  
**Gibble, David L.**  
M.S., University of North Texas  
**Gibson, Stephen M.**  
M.A., Syracuse University  
**Gieffers, Alessandra**  
M.A., Hunter College, City University of New York  
**Gill, Sofia**  
M.B.A., Florida Institute of Technology  
**Goebel, Donald W., Jr.**  
M.A., Wayne State University  
M.S., Xavier University

**Graham, William G.**  
B.A., University of Florida  
**Grant, Vernon**  
M.F.A., Pratt Institute  
**Grasso, Marie**  
M.S., Adelphi University  
**Graziouse, James**  
M.S., Nova University  
**Grimm, Carol C.**  
M.S., Nova University  
**Hamlin, Allen C.**  
M.S., Florida Atlantic University  
**Hanson, Carolyn**  
A.S., Palm Beach Junior College  
**Harrell, Alma M.**  
M.S.N., Florida Atlantic University  
M.Ed., Florida Atlantic University  
**Hartman, Wendy**  
M.S., Florida Atlantic University  
**Haynes, Yvonne A.**  
M.S.W., University of Georgia  
**Hedstrom, Shelly K.**  
M.A., University of Ottawa  
M.A., St. Michael's College  
**Hill, Jeffrey**  
Ph.D., University of Arizona  
**Hitchcock, Susan K.**  
M.S., University of Akron  
**Hogan, Lisa A.**  
M.A.L.S., Rosary College  
**Horvath, Elizabeth I.**  
Ph.D., Florida Atlantic University  
**Horwitz, James J.**  
M.S., Northern Illinois University  
**Jahn, George A.**  
M.A., University of Miami  
**Johnson, Patricia H.**  
M.S., Florida Atlantic University  
**Jones, Robert D.**  
M.A., University of Connecticut

**Judd, Cynthia**  
M.S., University of Central Florida  
**Kass, Mitchell E.**  
Ph.D., City University of New York  
**Kelly, Joanne M.**  
M.S., Florida Atlantic University  
**Konopacki, Steven**  
Ph.D., University of Michigan  
**Krieger, Peter J.**  
Ed.D., Florida Atlantic University  
**Krull, Robert H.**  
M.L.S., Florida State University  
**Ladika-Cipolla, Heidi**  
M.P.S., Lynn University  
**Lancaster, Kelly**  
Ph.D., University of Oklahoma  
**Lane, Frederick C.**  
M.A., Pennsylvania State University  
**Lang, Margaret**  
A.S., Palm Beach Community College  
**Langston, Marie A.**  
M.Ed., Florida Atlantic University  
**Librun, Witny**  
M.S., Florida International University  
**Littler, Frank A.**  
D.A., Illinois State University  
**Lively, Michael**  
Ph.D., Florida State University  
**Lowrey, Rosemarie**  
M.L.S., Columbia University  
**Luma, Andrew E.**  
Ph.D., Texas Tech. University  
**MacLachlan, Shari L.**  
M.A., Florida Atlantic University  
**MacMullen, Michael**  
M.M., Arizona State University  
**Madson, Richard R.**  
M.A., Brigham Young University  
**Manesh, Madjid (Mike)**  
M.S., Nova University

**Mansour, Mohamed K.**  
M.S.L.S., Clarion University  
**Martin, Carolyn L.**  
Ph.D., University of Denver  
**Martin, Tommy**  
M.S., Nova Southeastern University  
M.Ed., Nova Southeastern University  
**Masella, Joanne M.**  
M.S.N., Florida Atlantic University  
**Masliah, Lillian R.**  
M.S., Florida Atlantic University  
**Matthews, Barbara C.**  
Ed.D., University of Tennessee  
**Maze, Claire**  
M.S., Barry University  
**McCauley, Judith A.**  
M.A., New York University  
**McLaughlin, Idell W.**  
M.A., Atlanta University  
**McMahon, Patrick D.**  
M.S., The American College  
**Mears, Lisa A.**  
M.Ed., University of Central Florida  
**Miles, Michael T.**  
Ed.D., Nova University  
**Millard, Philip W.**  
B.S., Northeast Missouri State Teachers College  
**Millas, Joseph J.**  
M.A., Louisiana State University  
**Miller-Shaivitz, Patricia**  
Ph.D., University of South Florida  
**Minton, Richard**  
M.S., Florida State University  
**Mkppong, Offiong E.**  
Ph.D., Ohio State University  
**Montalvo, Gladys**  
Ed.D., Nova Southeastern University  
**Moon, William J.**  
M.B.A., George Mason University  
**Mossadeghi, Sepandar (Frank)**  
M.A., University of Tulsa

**Mower, Ronald**  
M.A., Bowling Green State University

**Munro, Sophia I.**  
M.S.O.T., Boston University

**Murphy, John A. D.**  
Ph.D., Florida Atlantic University

**Nagel, Wayne**  
M.S.N., Governors State University

**Naylor, Heather**  
M.A., New York University

**Nikides, Joanne H.**  
M.B.A., University of Dayton

**Nixon, David H.**  
M.A., Florida Atlantic University

**Novak, Christine**  
M.S.N., Florida International University

**Osborn, Tinagayle**  
M.S., The Ohio State University

**Parbhoo, Ernest B.**  
M.A., University of Iowa

**Parker, Kim P.**  
M.A., Florida State University

**Pasapane, Lois**  
M.S., Nova University

**Pate, Glenn**  
M.S., University of Kentucky

**Peck, Edwin T.**  
M.A., New York University

**Petraki, Henry J.**  
Ph.D., Southern Illinois University

**Plasket, Patricia**  
M.A., Indiana University

**Poorvin, Gloria**  
M.S.N., Emory University

**Privacky, Nikki Jo**  
M.B.S., Florida Atlantic University

**Ramsammy, Roger**  
Ph.D., Howard University

**Ray, Charlie L.**  
Ph.D., Florida State University

**Richmond, Sandra S.**  
Ed.D., Florida Atlantic University

**Rogers, Estaline**  
M.L.S., University of South Florida

**Rogers, George**  
Ph.D., University of Michigan

**Rogers, Jacqueline**  
M.S., Palm Beach Atlantic College

**Rolison, Roger W., Jr.**  
Ph.D., Florida State University

**Rosenthal, Ira**  
M.S., University of South Carolina

**Ruffin, Derrick**  
Ed.D., Nova University

**Russal, Barry K.**  
Ph.D., Kent State University

**Sadule-Rios, Nohemi**  
M.S.N., Florida International University

**Saken, Jon**  
Ph.D., University of Colorado

**Scheffer, Barbara J.**  
J.D., Nova University

**Scheurer, Vicki F.**  
M.A., Florida Atlantic University

**Schmidt, Waweise J.**  
M.S., University of Delaware

**Schoenfeldt, Alyse L.**  
Ed.D., Florida Atlantic University

**Shapiro, Adele**  
M.S., Yeshiva University

**Shaver, Vicki**  
Ed.D., Florida Atlantic University

**Shaw, Sandra L.**  
M.B.A., University of Central Florida

**Siassi, Tony**  
M.S., Nova University

**Siniscalchi, Timothy**  
M.S.T., Boston College

**Slatery, W. Patrick**  
M.A., East Tennessee State University

**Slesinger, Victor**  
M.A., Penn State University

**Smith, Noel S.**  
M.B.A., Florida State University

**Smith, Sean P.**  
M.L.S., Mercer University

**St. Pierre, Karin L.**  
M.A., Florida Atlantic University

**Stawicki, Jacqueline**  
B.S., California State University

**Steffen, Thomas H.**  
M.B.A., Carnegie-Mellon University

**Strong, Brett**  
M.S., Purdue University

**Stuart, Gracelyn V.**  
M.A., Florida Atlantic University

**Summers, Linda A.**  
Ed.S., Florida Atlantic University

**Sutton, Geraldine**  
M.S.N., Gwynedd-Mercy College

**Sundquist, Jeffrey J.**  
M.S., University of Wisconsin

**Talebi, Massoud (Mike)**  
M.S., Michigan State University

**Tassa, Anthony**  
M.F.A., University of Tennessee

**Thomasson, Gary D.**  
M.S., University of Tennessee

**Thompson, Susan M.**  
M.A., University of South Florida

**Thorsen, Deborah**  
M.S., University of Georgia

**Toohey, Patricia**  
M.S., State University of New York at New Paltz

**Van Dusen, Frederick**  
Ed.D., Nova Southeastern University

**Van Wyhe, William K.**  
M.A., Michigan State University

**Vega, Edward**  
M.F.A., Columbia University

**Vitrano, Mary**  
M.B.A., Adelphi University

**Voils, Donald L.**  
M.A., University of Illinois

**Warm, Rochelle**  
Ed.D., Nova University

**Webber, Allen L.**  
M.M., Miami University

**Wershoven, Carol J.**  
Ph.D., University of Florida

**Williams, Sandra K.**  
M.S., Illinois State University

**Wilson, Claire**  
M.A., New York Institute of Technology

**Wood, James B.**  
Ph.D., University of Arizona

**Yinger, Richard E.**  
Ph.D., Florida State University

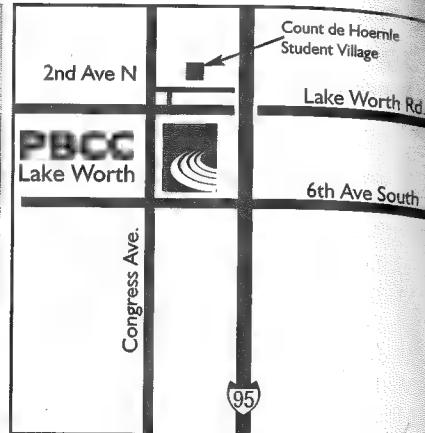
**Young, Zenaida I.**  
M.S., Florida State University

**Zinser, Nancy C.**  
M.S., Boston University

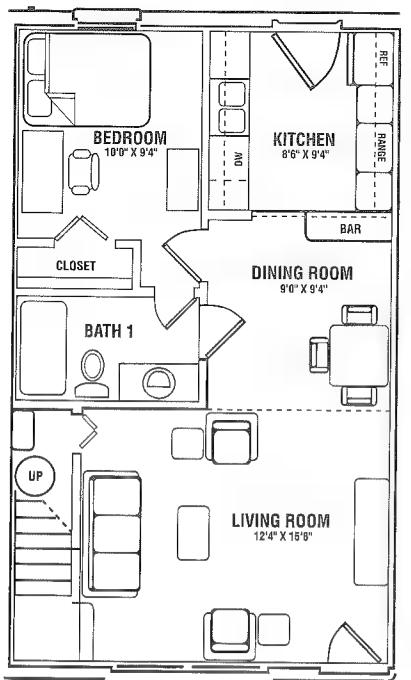
<b>A</b>	Criminal Justice Academies ..... 100	<b>S</b>	Sophomore ..... 38
Academic Advisement ..... 29	Criminal Justice Technology ..... 58	Structural Drafting ..... 109	
Academic Policies ..... 36	Critical Care Nursing ..... 93	Student Handbook ..... 30	
Policy Changes ..... 40	Customer Service Program ..... 101	Student Life ..... 31	
Religious Observances Policy ..... 40	<b>D</b>	Student Publication ..... 30	
Security of Student Records ..... 40	Deans and Registrar ..... 198	Student Retention and Completion ..... 30	
Student Conduct ..... 40	Dental Assisting ..... 101	Students with Disabilities Substitution ..... 21	
Academic Progress ..... 41	Dental Hygiene ..... 79	Surgical Technology ..... 110	
Academic Recognition ..... 36	Dietetic Technician ..... 81		
Accounting Operations ..... 36	Disability Support Services ..... 29		
Accounting Technology ..... 96	Distance Learning ..... 34		
Accreditation ..... 49	Drafting and Design Technology ..... 60		
Administrative Assistant ..... 3	<b>E</b>		
Admission Criteria ..... 96	Electrical Drafting ..... 102		
Transfer Credit ..... 12	Electrical Trades ..... 102		
Admission Policies ..... 21	Electronic Drafting ..... 103		
Admission Procedures ..... 12	Electronic Technology ..... 103		
Applied Welding Technologies ..... 96	Electronics Engineering Technology ..... 60		
Architectural Drafting ..... 97	Emergency Medical Services ..... 82		
Associate in Applied Science ..... 47	Emergency Medical Technician ..... 103		
Associate in Arts ..... 44	English as a Second Language ..... 35		
Associate in Science ..... 47	<b>F</b>		
Attendance ..... 36	Facial Specialist ..... 103		
Audit and Withdrawal Policies ..... 36	Faculty ..... 198		
Automotive Collision Repair and Refinishing ..... 97	Fees and Payment ..... 25		
Automotive Detailing and Reconditioning ..... 97	Film Production Equipment Operations ..... 104		
Automotive Service Management Technology ..... 50	Film, Television and Video Production Technology ..... 61		
Automotive Service Technologies ..... 97	Financial Aid ..... 22		
<b>B</b>	Fire Science Technology ..... 62		
Building Construction Technology ..... 51	Firefighter ..... 104		
Business Administration and Management ..... 52	Florida's Statewide Course Numbering System ..... 111		
<b>C</b>	Freshmen ..... 38		
Cabinetmaking (Carpentry) ..... 98	Full-Time Student ..... 38		
Cardiovascular Intervention Technology ..... 91	<b>G</b>		
Cardiovascular Nursing ..... 91	Gasoline Engine Service Technology ..... 105		
Career and Technical Education (CTE) ..... 32	General Education Requirements ..... 43		
Career Planning & Job Placement ..... 29	Grades ..... 38		
Center For Personalized Instruction ..... 33	Graduation ..... 39		
Certificate and Diploma Programs ..... 48	Graphic Design Technology ..... 63		
Child Care ..... 98	<b>H</b>		
Child Development and Education ..... 53	Health Services and Information ..... 30		
College Level Academic Skills Test (CLAST) ..... 37	Heavy Duty Truck and Bus Mechanic 105 ..... 105		
College Level Examination Program ..... 17	History ..... 3		
College Preparatory Course Requirements ..... 37	Honors ..... 35		
Commercial Art ..... 98	Hospitality Management ..... 64		
Commercial Foods and Culinary Arts ..... 99	Human Services ..... 66		
Commercial Heating ..... 99	<b>I</b>		
Commercial Vehicle Driving ..... 99	Industrial Management Technology ..... 67		
Community Home Health Nursing ..... 92	Insurance ..... 30		
Computed Tomography ..... 92	Insurance General Lines Agent ..... 105		
Computer Information Systems Analysis ..... 55	Interior Design Technology ..... 68		
Cooperative Education ..... 33	International Field Trip Study and Summer School ..... 35		
Cosmetologist ..... 99	Introduction to Course Descriptions ..... 113		
Credit for Prior Learning ..... 17	<b>L</b>		
	Legal Assisting ..... 69		
	Library Learning Resource Center (LLRC) ..... 35		
	Life Insurance Marketing ..... 105		
	Lost and Found ..... 30		
	<b>M</b>		
	Magnetic Resonance Imaging ..... 93		
	Manicurist ..... 105		
	Marine Service Technology ..... 106		
	Marketing Management ..... 70		
	Massage Therapy ..... 106		
	Mechanical Drafting ..... 106		
	Medical Assisting ..... 106		
	Medical Coder Specialist ..... 107		
	Medical Secretary ..... 107		
	Medical Surgical Nursing ..... 93		
	Medical Transcription ..... 108		
	Memberships ..... 3		
	Mission ..... 3		
	<b>N</b>		
	Nursing ..... 84		
	<b>O</b>		
	Occupational Therapy Assistant ..... 86		
	Office Systems Technology ..... 71		
	Ornamental Horticulture Technology ..... 73		
	<b>P</b>		
	Palm Beach Community College District ..... 3		
	Paramedic ..... 95		
	Parking ..... 27		
	Patient Care Technician ..... 108		
	PC Support Services ..... 108		
	Perioperative Nursing ..... 94		
	Philosophy ..... 3		
	Placement Testing ..... 18		
	Practical Nursing ..... 109		
	Prerequisites ..... 40		
	President's staff ..... 197		
	Professional Pilot Technology ..... 74		
	Program Listing ..... 42		
	Public Safety Telecommunicator ..... 109		
	<b>R</b>		
	Radiography ..... 88		
	Refunds ..... 28		
	Residence Classification ..... 20		
	Respiratory Care ..... 89		

**LIVE IN CLASS****AT THE COUNT DE HOERNLE STUDENT VILLAGE!**

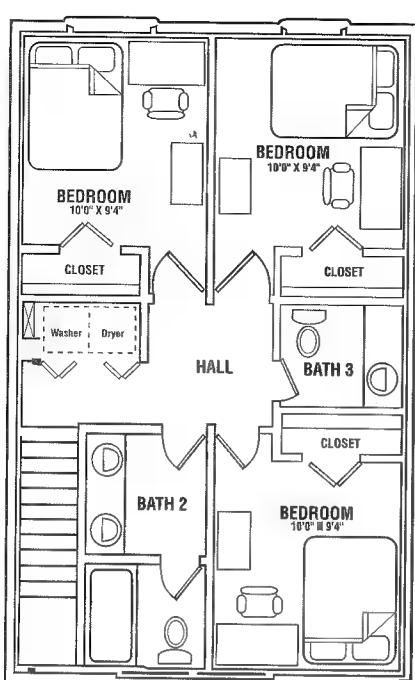
PBCC's only student housing is less than a mile from the Lake Worth location.



The apartments are fully furnished, 4-bedroom units with living room, kitchen and 2 1/2 baths. All units have air conditioning and central heating. Kitchens include refrigerator, dishwasher, garbage disposal, microwave and electric range. Don't bother saving quarters because each apartment has its own full-size washer and dryer.



First Floor



Second Floor

Lease terms are available from 6 to 18 months and start at \$345.00 monthly.

For further information send coupon or call:  
Count de Hoernle Student Village  
2425 2nd Ave N. Lake Worth, FL 33461  
561-582-9100

[www.countdehoernle.com](http://www.countdehoernle.com)

PLEASE SEND ME MORE INFORMATION ABOUT THE STUDENT VILLAGE!

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

E-mail \_\_\_\_\_

When do you plan to enroll at PBCC?

Month \_\_\_\_\_ Year \_\_\_\_\_

**APPLICATION FOR ADMISSION**

Credit Programs (AA, AAS, AS, Credit Certificates, Non-Degree)

**PROGRAM OBJECTIVES****Associate in Arts (AA) Programs**

All AA Programs ..... 1000

**Associate in Applied Science (AAS) Programs**

ALLIED HEALTH ..... A309

★ Nursing ..... A309

ART ..... A018

Graphic Design ..... A018

BUSINESS ..... A042

Accounting Technology ..... A042

Staff Accountant ..... A042

Full Charge Bookkeeper ..... A041

Business Admin. & Mgmt. ..... A087

Computer Info. System Analysis ..... A132

Application ..... A132

Network ..... A131

Programming ..... A133

Industrial Mgmt. Tech ..... A194

Marketing Management ..... A095

Marketing ..... A095

Retailing ..... A097

Office Systems Technology ..... A524

Legal Secretary ..... A524

Office Systems ..... A521

Word Processing ..... A522

**Advanced Technical Certificates**

Cardiovascular Inter. Tech ..... 4320

Cardiovascular Nursing ..... 4316

Comm. Home Health Nursing ..... 4319

Computed Tomography ..... 4321

Critical Care Nursing ..... 4315

Magnetic Reson. Imaging ..... 4322

Medical Surgical Nursing ..... 4318

Perioperative Nursing ..... 4317

Employment Related ..... 3407

Personal Improvement ..... 3408

Transient Student ..... 3409

High School Dual Enrollment ..... 3800

Public School ..... 3800

Private School ..... 3801

Home School ..... 3802

Early Admission ..... 3803

Public School ..... 3803

Private School ..... 3804

Home School ..... 3805

All programs require completion of a standard high school diploma, GED, or approved High School dual enrollment programs (see additional information in the inside cover.)

\* Limited Access

**(561) 967-PBCC (7222)**

**[www.pbcc.cc.fl.us](http://www.pbcc.cc.fl.us)**

**BELLE GLADE**  
1977 College Drive  
Belle Glade, FL 33430-3699

**BOCA RATON**  
3000 Saint Lucie Avenue  
Boca Raton, FL 33431-6490

**LAKE WORTH**  
4200 Congress Avenue  
Lake Worth, FL 33461-4796

An Equal Opportunity Institution

**PALM BEACH GARDENS**  
3160 PGA Boulevard  
Palm Beach Gardens, FL 33410-2893

**Associate in Science (AS) Programs****ALLIED HEALTH**

★ Dental Hygiene ..... 2151

★ Dietetic Tech ..... 2512

**EMS Management**

Education ..... 2449

Supervisory ..... 2447

Technology ..... 2448

**CRIMINAL JUSTICE**

Criminal Justice Technology ..... 2198

★ Corrections Officer ..... 2605

★ Law Enforcement ..... 2606

**ENGINEERING ■ TECH.**

Building Construct. Tech. ..... 2198

Drafting & Design Tech. ..... 2178

Electronics Engin. Tech. ..... 2177

Fire Science Tech. ..... 2195

Ornamental Hort. Tech. ..... 2191

Professional Pilot ..... 2197

Professional Pilot ..... 2197

Operations ..... 2172

Maintenance Mgmt. ..... 2171

**ART**

Graphic Design ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. ..... 2011

Interior Design Tech. ..... 2012

Professional Pilot ..... 2011

Operations ..... 2012

Maintenance Mgmt. .....

**APPLICATION INFORMATION AND INSTRUCTIONS**
**APPLICATION**

Complete this form in detail and forward it to the admissions office at the location you plan to attend. International applications must be sent directly to the Lake Worth location. **Incomplete applications will be returned.**

**APPLICATION FEE**

\$20 U.S. citizen, \$30 international, U.S. currency (F-1, I-20 students only). Non-refundable.

**TRANSCRIPTS & RECORDS**

All final transcripts should be received prior to orientation and registration. Degree students whose transcript is not received within the first term cannot register for the subsequent terms. Any student falsifying their application or records will be subject to immediate dismissal without a refund. All credentials submitted become the property of the College and cannot be returned.

**PLACEMENT TESTS**

All first-time-in-college, degree-seeking students must present score from FCELP (CPT) unless SAT-I or ACT-E scores, not older than two years, place students into college level course work. If you have not yet taken one of the placement tests listed above, contact the Testing Center at the location you plan to attend.

**ORIENTATION**

Orientation is required of all first-time-in-college degree seeking students before registration of classes.

**ALL INFORMATION MUST BE COMPLETE AND ACCURATE.**
**1. U.S. SOCIAL SECURITY NUMBER**

(Students who do not have a social security number or who choose not to disclose, will be assigned a student number). This number is used in federal and state reports only.

**2. NAME**

Exact legal name. Include all names under which materials will be sent. Print clearly.

**3. LOCAL ADDRESS**

Address where you will be living while attending PBCC.

**4. PERMANENT ADDRESS**

Permanent home address.

**5. HOME TELEPHONE NUMBER**

Include area code.

**6. WORK NUMBER**

If applicable. Include area code.

**7. E-MAIL ADDRESS**

If applicable.

**8. GENDER**

This information is used in federal and state reports only.

**9. RACE/ETHNIC ORIGIN**

Required for Office of Civil Rights reports.

**10. PRIMARY LANGUAGE**

The language you use more than 50% of the time.

**11. DATE OF BIRTH and PLACE OF BIRTH**

This is used in federal and state reports only. Include month, day and year, and state or country.

**12. ENROLLMENT STATUS**

Indicate appropriate status.

**13. LOCATION**

The location designation is the location where your records will be retained. Transcript(s) should be mailed to the location you have indicated.

**14. ADMISSION DATE**

Enter the year and check the term that you plan to take your first class.

**LIMITED ACCESS PROGRAMS ★**

Admission to the college neither constitutes nor guarantees admission to Limited Access programs. If you plan to enter one of these programs you must request a separate application packet for the specific program. The Program Application, Limited Access Processing Fee (if applied) and records must be submitted to the location designated on that application.

**FINAL ACCEPTANCE**

Even though you may receive a conditional acceptance and be permitted to register for classes, final acceptance is contingent upon receipt of all required documents, including official high school transcript, GED transcript, or transcript of all previous college work attempted. Official documents are those mailed directly from your previous institution to PBCC.

**CAREER CENTER**

If you are unsure of your program of study or career objectives, or are in need of a job, contact the Career Center on the location you plan to attend.

**DISABILITY SUPPORT SERVICES**

Students with documented disabilities may self-identify and request accommodations by contacting the campus Disability Support Services advisor: Belle Glade—561-992-6187; Boca Raton—561-367-4582; Lake Worth—561-439-8054; Palm Beach Gardens—561-625-2428.

**APPLICATION FOR ADMISSION**
**Credit Programs (AA, AAS, AS, Credit Certificates, Non-Degree)**

Please Type or Print Clearly

1. U.S. SOCIAL SECURITY NUMBER / PBCC STUDENT ID _____ or <input type="checkbox"/> DO NOT HAVE U.S. SOCIAL SECURITY NUMBER				
2. NAME <input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. Last _____ First _____ Middle/Maiden _____ Suffix _____				
Please list all previous names under which documents may be sent _____				
3. LOCAL ADDRESS Number and Street Address _____ County (or Province) _____ State _____ Zip Code _____		City _____		
4. PERMANENT ADDRESS <input type="checkbox"/> Check here if same as local address Number and Street Address _____ City _____ County (or Province) _____ State _____ Zip Code _____				
5. HOME TELEPHONE (   ) _____		10. IS ENGLISH YOUR PRIMARY LANGUAGE? <input type="checkbox"/> Yes <input type="checkbox"/> No If no, what is your primary language? _____		
6. WORK TELEPHONE (   ) _____		11. DATE OF BIRTH _____ / _____ / _____ Month Day Year _____ State or Country of Birth _____		
7. E-MAIL ADDRESS _____ @ _____		12. ENROLLMENT STATUS <input type="checkbox"/> High School/Ged Graduate (NH) <input type="checkbox"/> Transfer (NT) <input type="checkbox"/> Transient (NT) <input type="checkbox"/> Readmission to PBCC (RH or RT) <input type="checkbox"/> Dual Enrolled High School Student (ND) <input type="checkbox"/> Early Admission High School Student (NE)		
8. GENDER <input type="checkbox"/> Female (F) <input type="checkbox"/> Male (M)		13. LOCATION <input type="checkbox"/> Belle Glade (3) <input type="checkbox"/> Boca Raton (5) <input type="checkbox"/> Lake Worth (1) <input type="checkbox"/> Palm Beach Gardens (2)		
14. ADMISSION DATE Year 2 _____ <input type="checkbox"/> Fall (1) <input type="checkbox"/> Spring (2) <input type="checkbox"/> Summer (3)				
15. STUDENT PROGRAM OBJECTIVE (See Cover for Codes) <input type="checkbox"/> AA degree program code 1000 <input type="checkbox"/> AAS degree program code A _____ <input type="checkbox"/> AS degree program code 2 _____ <input type="checkbox"/> Credit Certificate program code _____ <input type="checkbox"/> Non-degree program code 3 _____				
16. CITIZENSHIP <input type="checkbox"/> U. S. Citizen (C) <input type="checkbox"/> Permanent Resident Alien (P) <input type="checkbox"/> Asylee or Refugee Alien (A) <input type="checkbox"/> F-1 Visa Student (F) <input type="checkbox"/> Other, Non-Citizen (X) Home Country _____				
17. ARE YOU A FIRST GENERATION COLLEGE STUDENT (Neither of your parents have a four year college degree)? <input type="checkbox"/> Yes (X) <input type="checkbox"/> No				
18. HIGH SCHOOL or GED (Please indicate below your high school completion level) <input type="checkbox"/> Standard High School Diploma <input type="checkbox"/> Special Diploma <input type="checkbox"/> Certificate of Completion <input type="checkbox"/> General Education Diploma (GED) <input type="checkbox"/> Other NAME OF SCHOOL _____ CITY/STATE _____ LANGUAGE OF GED _____ DATE OF GRADUATION _____				
19. COLLEGE/UNIVERSITY (List all postsecondary colleges or universities you have attended. Omission of any constitutes falsification of records and voids application.) NAME OF INSTITUTION _____ CITY/STATE _____ DATES _____ DEGREE _____ CREDIT _____				

I agree to the release of any transcripts and test scores to this institution, including but not limited to, any SAT, Achievement Test and ACT score reports that this institution may request from other institutions, the College Board or ACT. PBCC may release copies of my official PBCC transcript to other institutions to which I make application. No further authorization is necessary. I understand that falsification or omission of any information may result in my rejection or dismissal by the College.

Student's Signature \_\_\_\_\_

Students are responsible for all information contained on their applications. Read and complete residency information on reverse side of this page. Applicants who omit this information will be classified as non-residents for tuition purposes.

\*\*\*MUST COMPLETE REVERSE SIDE\*\*\*

Date \_\_\_\_\_

**RESIDENCE CLASSIFICATION**

A Florida "resident for tuition purpose" is a person (or a dependent person whose parent or legal guardian) who has established and maintained legal residence in Florida for at least the last 12 consecutive months. Residence in Florida must be a bona fide domicile rather than for the purpose of maintaining a residence incident to enrollment at an institution of higher education. Other persons not meeting the 12 month legal residence requirement may be classified as Florida residents for tuition purposes only if they fall within one of the limited special categories authorized by the Florida Legislature [Florida Statute 240.1201(2)(a)]. All other persons are ineligible for classification as a Florida "resident for tuition purposes."

**DEFINITIONS**
**DEPENDENT:**

A person for whom 50 percent or more of his/her support is provided by another as defined by the Internal Revenue Service.

**INDEPENDENT:**

A person who provides more than 50 percent of his/her support.

(A copy of your most recent tax return or other documentation may be requested to establish dependence/independence.)

**FLORIDA RESIDENT FOR TUITION PURPOSES AFFIDAVIT**  
*(IF YOU DO NOT QUALIFY, SIMPLY SIGN THE NON-FLORIDA RESIDENT SECTION BELOW)*

- 1. I am an independent person and have maintained legal residence in Florida for at least the last 12 consecutive months.
- 2. I am a dependent person and my parent or legal guardian has maintained legal residence in Florida for at least the last 12 consecutive months.
- 3. I am a dependent person who has resided for the last five years with an adult relative other than my parent or legal guardian and my relative has maintained legal residence in Florida for at least the last 12 consecutive months. (Documentation Required)
- 4. A Florida public college/university declared me a resident for tuition purposes. Name of institution \_\_\_\_\_ (Documentation Required)
- 5. I am married to a person who has maintained legal residence in Florida for at least the last 12 consecutive months. I have established legal residence and intend to make Florida my permanent home. (Copy of marriage certificate required and proof of current Florida residency)
- 6. I abandoned my Florida domicile less than 12 months ago, and am now re-establishing Florida legal residence.
- 7. According to the United States Immigration and Naturalization Service, I am a permanent resident alien or other legal alien granted indefinite stay. I have maintained domicile in Florida for at least the last 12 consecutive months. (Copy of INS documentation required.)

- 8. I am a member of the armed services of the United States and am stationed in Florida on active military duty pursuant to military orders, or whose home of record is Florida [or I am the member's spouse or dependent child]. (Copy of military paper work required.)
- 9. I am a full-time instructional or administrative employee employed by a Florida public school, community college or institution of higher education [or I am the employee's spouse or dependent child]. (Copy of employment verification required.)
- 10. I am part of the Latin American/Caribbean scholarship program. (Documentation required.)
- 11. I am a qualified beneficiary under the terms of the Florida Pre-Paid Postsecondary Expense Program (S.240.551, F.S.). (Copy of card required.)
- 12. I am living on the Isthmus of Panama and have completed 12 consecutive months of college work at the F.S.U. Panama Canal Branch [or I am the student's spouse or dependent child].
- 13. I am a full-time employee of a state agency or political subdivision of the state whose student fees are paid by the state agency or political subdivision for the purpose of job-related law enforcement or corrections training. (Documentation Required)
- 14. I am a full-time student participating in a Linkage Institute. (S.240.137, F.S.) (Documentation Required)

ATTACH COPIES OF DOCUMENTATION INDICATED ABOVE--ADDITIONAL DOCUMENTATION (e.g., copies of voter's registration, driver's license, tax returns, deeds, etc.) may be required by the College in some cases. ALL DOCUMENTATION IS SUBJECT TO VERIFICATION. Someone other than the applicant (e.g., parent) should complete this affidavit if the applicant is dependent or seeks to be classified as a Florida resident by virtue of a relationship; otherwise, the applicant must complete this affidavit. PLEASE PRINT:

**1. Name of Applicant**

(The CLAIMANT is the person who is claiming Florida residency, e.g., the applicant (if independent), parent, spouse or legal guardian. All of the questions below pertain to the claimant.)

**3. Name of Claimant:**

4. Relationship of Claimant to Applicant:

**5. Permanent Legal Address of Claimant:**
**6. Date Claimant Began Establishing Legal Florida Residence and Domicile:**
**7. Claimant's Voter Registration:**
**8. Claimant's Drivers License:**
**9. Claimant's Vehicle Registration:**
**10. Citizenship:**
**11. Non-U.S. Citizen Only: Resident Alien Number:**
**2. Student SSN:**

(All of the questions below pertain to the claimant.)

**4. Relationship of Claimant to Applicant:**

Telephone Number of Claimant

Original Issue Date:

Issue Date:

mm/dd/yy

Issue Date:

mm/dd/yy

Issue Date:

mm/dd/yy

Date Card Issued:

(Copy of both sides of card required)

I do hereby swear or affirm that the above-named applicant meets all requirements indicated in the category checked above for classification as a Florida "resident for tuition purposes". I understand that a false statement in this affidavit will subject me to penalties for making a false statement pursuant to 837.06, Florida Statutes, and that a false statement in this affidavit may subject the above-named student to the penalties for making a false or fraudulent statement.

Signature of Applicant in ink

and of

Person Claiming Florida Residency if other than Applicant

Date

**NON-FLORIDA RESIDENTS ONLY**

I understand I do not qualify as a Florida resident for tuition purposes for the term for which this application is submitted and that if I should qualify for a future term, it will be necessary for me to file the required documentation prior to the beginning of the term in order to be considered for Florida residency classification.

Signature of Applicant in ink

Date

**APPLICATION FOR ADMISSION**  
**Post Secondary Adult Vocational (PSAV) Certificate Programs**
**PROGRAM OBJECTIVES**

Accounting Operations *	5044
Administrative Assistant *	5519
Applied Welding Technologies ◆	5460
Architectural Drafting *	5208
Automotive Collision Repair & Refinishing ◆	5461
Automotive Detailing & Reconditioning ◆	5462
Automotive Service Technologies ◆	5463
Cabinetmaking (Carpentry) ◆	5464
Child Care ☆	5348
40-Hour Childcare Worker *	
Child Development Associate (CDA) * ☆	
Commercial Art *	5017
Commercial Foods & Culinary Arts *	5088
Commercial Heating ◆	5267
Commercial Vehicle Driving *	5206
Tractor Trailer CDL Class A	5207
Truck & Bus CDL Class B	5357
Cosmetologist *	
Customer Service	5045
Electrical Drafting *	5211
Electrical Trades ◆	5465
Electronic Drafting *	5212

\* Does not require the TABE exam

Eligible for high school dual enrollment

◆ High school required

**Limited Access programs are also available in the following areas:**

Apprenticeship Programs  
 Dental Assisting  
 Emergency Medical Technician (EMT)  
 Firefighter  
 Law Enforcement & Corrections  
 Practical Nursing  
 Surgical Technology

These programs may have additional requirement for admission. See Program information.

**(561) 967-PBCC (7222)**

**www.pbcc.cc.fl.us**

**BELLE GLADE**  
 1977 College Drive  
 Belle Glade, FL 33430-3699

**BOCA RATON**  
 3000 Saint Lucie Avenue  
 Boca Raton, FL 33431-6490

**LAKE WORTH**  
 4200 Congress Avenue  
 Lake Worth, FL 33461-4796

**PALM BEACH GARDENS**  
 3160 PGA Boulevard  
 Palm Beach Gardens, FL 33410-2893

An Equal Opportunity Institution

**APPLICATION INFORMATION AND INSTRUCTIONS**
**APPLICATION**

Complete this form in detail and forward it to the admissions office at the location you plan to attend. International applications must be sent directly to the Lake Worth location. Incomplete applications will be returned.

**ADMISSIONS PROCEDURE**

1. Complete the PSAV application and submit to the Admission Office at the location you plan to attend.
2. Pay \$10 to the Cashier's Office to take the TABE test. (If applicable for your program)
3. Proceed to the Testing Center to schedule the TABE.
4. After receiving the results of the TABE, you may register for the program. Students who do not achieve the minimum basic skills required for their program must do so by the completion of the program.

**ALL INFORMATION MUST BE COMPLETE AND ACCURATE.**

1. U.S. SOCIAL SECURITY NUMBER  
(Students who do not have a social security number or who choose not disclose, will be assigned a student number). This number is used in federal and state reports only.
2. NAME  
Exact legal name. Include all names under which materials will be sent. Print clearly.
3. LOCAL ADDRESS  
Address where you will be living while attending PBCC.
4. PERMANENT ADDRESS  
Permanent home address.
5. HOME TELEPHONE NUMBER  
Include area code.
6. WORK NUMBER  
If applicable. Include area code.
7. E-MAIL ADDRESS  
If applicable.
8. GENDER  
This information is used in federal and state reports only.
9. RACE/ETHNIC ORIGIN  
Required for Office of Civil Rights reports.
10. PRIMARY LANGUAGE  
The language you use more than 50% of the time.
11. DATE OF BIRTH and PLACE OF BIRTH  
This is used in federal and state reports only. Include month, day and year, and state or country.
12. ENROLLMENT STATUS  
Indicate appropriate status.

**RECORDS & TRANSCRIPT**

Any student falsifying their application or records will be subject to immediate dismissal without a refund. All credentials submitted become the property of the College and cannot be returned.

**FINAL ACCEPTANCE**

Even though you may receive a conditional acceptance and be permitted to register for classes, final acceptance is contingent upon receipt of all required documents, including official high school transcript, GED transcript, or transcript of all previous college work attempted. Official documents are those mailed directly from your previous institution to PBCC.

**CAREER CENTER**

If you are unsure of your program of study or career objectives, or are in need of a job, contact the Career Center on the location you plan to attend.

**DISABILITY SUPPORT SERVICES**

Students with documented disabilities may self-identify and request accommodations by contacting the campus Disability Support Services advisor: Belle Glade—561-992-6187; Boca Raton—561-367-4582; Lake Worth—561-439-8054; Palm Beach Gardens—561-625-2428.

**APPLICATION FOR ADMISSION**
**Post Secondary Adult Vocational (PSAV) Certificate Programs**

Please Type or Print Clearly

1. U.S. SOCIAL SECURITY NUMBER / PBCC STUDENT ID \_\_\_\_\_

DO NOT HAVE U.S. SOCIAL SECURITY NUMBER

2. NAME  Mr.  Mrs.  Ms.

Last	First	Middle/Maiden	Suffix
------	-------	---------------	--------

Please list all previous names under which documents may be sent \_\_\_\_\_

3. LOCAL ADDRESS \_\_\_\_\_

Number and Street Address	City
---------------------------	------

County (or Province) \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

4. PERMANENT ADDRESS  Check here if same as local address

Number and Street Address \_\_\_\_\_ City \_\_\_\_\_ County (or Province) \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

5. HOME TELEPHONE \_\_\_\_\_

10. IS ENGLISH YOUR PRIMARY LANGUAGE?  Yes  No  
If no, what is your primary language? \_\_\_\_\_

6. WORK TELEPHONE \_\_\_\_\_

11. DATE OF BIRTH \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Month Day Year

7. E-MAIL ADDRESS \_\_\_\_\_ @ \_\_\_\_\_

State or Country of Birth \_\_\_\_\_

8. GENDER  Female (F)  Male (M)

12. ENROLLMENT STATUS  
 High School/Ged Graduate (NH)  
 Transfer (NT)  
 Transient (NT)  
 Readmission to PBCC (RH or RT)  
 Dual Enrolled High School Student (ND)  
 Early Admission High School Student (NE)

9. RACE/ETHNIC ORIGIN (Mark up to two)  
 Asian or Pacific Islander (A)  
 Black (Non-Hispanic) (B)  
 Hispanic (H)  
 American Indian/Alaskan Native (I)  
 White (Non-Hispanic) (W)  
 Other (X) \_\_\_\_\_

13. LOCATION  
 Belle Glade (3)  Boca Raton (5)  
 Lake Worth (1)  Palm Beach Gardens (2)

17. ARE YOU A FIRST GENERATION COLLEGE STUDENT (Neither of your parents have a four year college degree)?  Yes (X)  No

18. HIGH SCHOOL or GED (Please indicate below your high school completion level)  
 Standard High School Diploma  Special Diploma  Certificate of Completion  General Education Diploma (GED)  Other

NAME OF SCHOOL	CITY/STATE	LANGUAGE of GED	DATE OF GRADUATION

19. COLLEGE/UNIVERSITY (List all postsecondary colleges or universities you have attended. Omission of any constitutes falsification of records and voids application.)

NAME OF INSTITUTION	CITY/STATE	DATES	DEGREE	CREDIT

I agree to the release of any transcripts and test scores to this institution, including but not limited to, any SAT, Achievement Test and ACT score reports that this institution may request from other institutions, the College Board or ACT. PBCC may release copies of my official PBCC transcript to other institutions to which I make application. No further authorization is necessary. I understand that falsification or omission of any information may result in my rejection or dismissal by the College.

Student's Signature \_\_\_\_\_

Students are responsible for all information contained on their applications. Read and complete residency information on reverse side of this page. Applicants who omit this information will be classified as non-residents for tuition purposes.

Date \_\_\_\_\_

## RESIDENCE CLASSIFICATION

A Florida "resident for tuition purpose" is a person (or a dependent person whose parent or legal guardian) who has established and maintained legal residence in Florida for at least the last 12 consecutive months. Residence in Florida must be a bona fide domiciliary rather than for the purpose of maintaining a residence incident to enrollment at an institution of higher education. Other persons not meeting the 12 month legal residence requirement may be classified as Florida residents for tuition purposes only if they fall within one of the limited special categories authorized by the Florida Legislature [Florida Statute 240.1201(2)(a)]. All other persons are ineligible for classification as a Florida "resident for tuition purposes."

### DEFINITIONS

**DEPENDENT:** A person for whom 50 percent or more of his/her support is provided by another as defined by the Internal Revenue Service.  
**INDEPENDENT:** A person who provides more than 50 percent of his/her support.  
 (A copy of your most recent tax return or other documentation may be requested to establish dependence/independence.)

### FLORIDA RESIDENT FOR TUITION PURPOSES AFFIDAVIT (IF YOU DO NOT QUALIFY, SIMPLY SIGN THE NON-FLORIDA RESIDENT SECTION BELOW)

- 1. I am an independent person and have maintained legal residence in Florida for at least the last 12 consecutive months.
- 2. I am a dependent person and my parent or legal guardian has maintained legal residence in Florida for at least the last 12 consecutive months.
- 3. I am a dependent person who has resided for the last five years with an adult relative other than my parent or legal guardian and my relative has maintained legal residence in Florida for at least the last 12 consecutive months. (Documentation Required)
- 4. A Florida public college/university declared me a resident for tuition purposes. Name of institution \_\_\_\_\_ (Documentation Required)
- 5. I am married to a person who has maintained legal residence in Florida for at least the last 12 consecutive months. I have established legal residence and intend to make Florida my permanent home. (Copy of marriage certificate required and proof of current Florida residency)
- 6. I abandoned my Florida domicile less than 12 months ago, and am now re-establishing Florida legal residence.
- 7. According to the United States Immigration and Naturalization Service, I am a permanent resident alien or other legal alien granted indefinite stay. I have maintained domicile in Florida for at least the last 12 consecutive months. (Copy of INS documentation required.)

ATTACH COPIES OF DOCUMENTATION INDICATED ABOVE--ADDITIONAL DOCUMENTATION (e.g., copies of voter's registration, driver's license, tax returns, deeds, etc.) may be required by the College in some cases. ALL DOCUMENTATION IS SUBJECT TO VERIFICATION. Someone other than the applicant (e.g., parent) should complete this affidavit if the applicant is dependent or seeks to be classified as a Florida resident by virtue of a relationship; otherwise, the applicant must complete this affidavit. PLEASE PRINT:

1. Name of Applicant \_\_\_\_\_ (The CLAIMANT is the person who is claiming Florida residency, e.g., the applicant (if independent), parent, spouse or legal guardian. All of the questions below pertain to the claimant.)
2. Student SSN: \_\_\_\_\_
3. Name of Claimant: \_\_\_\_\_
4. Relationship of Claimant to Applicant: \_\_\_\_\_

5. Permanent Legal Address of Claimant: \_\_\_\_\_
6. Date Claimant Began Establishing Legal Florida Residence and Domicile: \_\_\_\_\_ ( ) \_\_\_\_\_
7. Claimant's Voter Registration: State: \_\_\_\_\_ County: \_\_\_\_\_ Number: \_\_\_\_\_ ( ) \_\_\_\_\_
8. Claimant's Drivers License: State: \_\_\_\_\_ Number: \_\_\_\_\_
9. Claimant's Vehicle Registration: State: \_\_\_\_\_ License Tag Number: \_\_\_\_\_
10. Citizenship:  U.S. Citizen  Permanent Resident Alien  Asylee or Refugee Alien  Other \_\_\_\_\_
11. Non-U.S. Citizen Only: Resident Alien Number: \_\_\_\_\_ Date Card Issued: \_\_\_\_\_ (Copy of both sides of card required)

ADDITIONAL DOCUMENTATION MAY BE REQUESTED BY THE INSTITUTION  
I do hereby swear or affirm that the above-named applicant meets all requirements indicated in the category checked above for classification as a Florida "resident for tuition purposes". I understand that a false statement in this affidavit will subject me to penalties for making a false statement pursuant to 837.06, Florida Statutes, and that a false statement in this affidavit may subject the above-named student to the penalties for making a false or fraudulent statement.

Signature of Applicant in Ink

and of

Person Claiming Florida Residency if other than Applicant

Date

### NON-FLORIDA RESIDENTS ONLY

I understand I do not qualify as a Florida resident for tuition purposes for the term for which this application is submitted and that if I should qualify for a future term, it will be necessary for me to file the required documentation prior to the beginning of the term in order to be considered for Florida residency classification

Signature of Applicant in Ink

Date

## PBCC General Education Requirements

All General Education requirement courses must be completed with a grade of C or higher to apply to A.A., A.A.S. or A.S. degree programs. The credit hours listed in each area below (e.g., Communications - 9 credit hours) fulfill A.A. degree requirements only. General Education requirements for A.A.S. and A.S. programs are listed in the program

descriptions in this chapter. Courses that meet Gordon Rule requirements are listed with "GR" and the number of words that each course fulfills, e.g., GR 6,000, designates that the course fulfills 6,000 of the 24,000 Gordon Rule requirement.

### AREA IV - NATURAL SCIENCES - 9 CREDIT HOURS

The following course is required:

- HSC 2100 Health Concepts and Strategies

Approved Transfer Health (Verify course credit with an advisor.)

Select two of the following courses for 6 credit hours:

- AST 1002 Descriptive Astronomy

- AST 1003 Planetary Astronomy

- AST 1004 Stellar & Galactic Astronomy

- BOT 1010 General Botany and Lab (4)

- BSC 1005 Concepts of Biology (Non-Science Major)  
(Lab BSC 1010L optional)

- BSC 1010 Principles of Biology (Lab optional)

- BSC 1011 Principles of Biology II and Lab (4)

- BSC 1050 Environmental Conservation

- BSC 1085 Anatomy and Physiology I and Lab (4)

- BSC 1086 Anatomy and Physiology II and Lab (4)

- CHM 1015 Principles of Chemistry (Lab optional)

- CHM 1040 General Chemistry I

- CHM 1041 General Chemistry II and Lab (4)

- CHM 2046 General Chemistry III and Lab (4)

- GLY 1000 Descriptive Geology

- MCB 2010 Microbiology and Lab (4)

- OCE 1001 Introduction to Oceanography (Lab Optional)

- PHY 1001 Applied Physics

- PHY 2048 General Physics with Calculus I & Lab (5)

- PHY 2049 General Physics with Calculus II & Lab (5)

- PHY 2053 General Physics I

- PHY 2054 General Physics II

- PSC 1101 Earth Science

- PSC 1341 Physical Science for Today's World

- ZOO 1010 General Zoology

- ZOO 1010L General Zoology Lab

- Approved Transfer Science (Verify course credit with an advisor.)

### AREA III - MATHEMATICS - 6 CREDIT HOURS

Select two of the following courses:

- MAC 1105 College Algebra (3) (GR)

- MAC 1114 Trigonometry (3) (GR)

- MAC 1140 Precalculus (3) (GR)

- MAC 2233 Survey of Calculus (for businessmajors)(3)(GR)

- MAC 2311 Calculus with Analytic Geometry I (4) (GR)

- MAC 2312 Calculus with Analytic Geometry II (4) (GR)

- MAC 2313 Calculus with Analytic Geometry III (4) (GR)

- MAP 2302 Differential Equations (3) (GR)

- MGF 1106 Liberal Arts Mathematics (3) (GR)

- MGF 1107 Finite Mathematics (3) (GR)

- STA 2023 Statistics (3) (GR)

- Approved Transfer Mathematics (Verify course credit with an advisor.)

### AREA V - SOCIAL SCIENCE - 6 CREDIT HOURS

Select one of the following courses:

- ANT 2000 Anthropology (GR 2,000)

- ECO 2013 Principles of Macroeconomics (GR 2,000)

- GEO 1010 Principles of Geography and Conservation (GR 2,000)

- PSY 2012 General Psychology (GR 2,000)

- SYG 1230 American Minorities Today (GR 2,000)

- SYG 2000 Introduction to Sociology (GR 2,000)

- SYG 2010 American Social Problems (GR 2,000)

- Approved Transfer Social Science (Verify course credit with an advisor.)

Select one of the following courses:

- AMH 2010 US History to 1865 (GR 2,000)

- POS 1001 Introduction to Political Science (GR 2,000)

- POS 2041 American National Government (GR 2,000)

- POS 2112 American State & Local Government (GR 2,000)

- Approved Transfer Political Science (Verify course credit with an advisor.)

To get on the right track for graduation, check with an academic advisor on course requirements.